

APPROVED	O.G. FIG.	SUBCLASS
BY	CLASS	343.15
DRAFTSMAN		

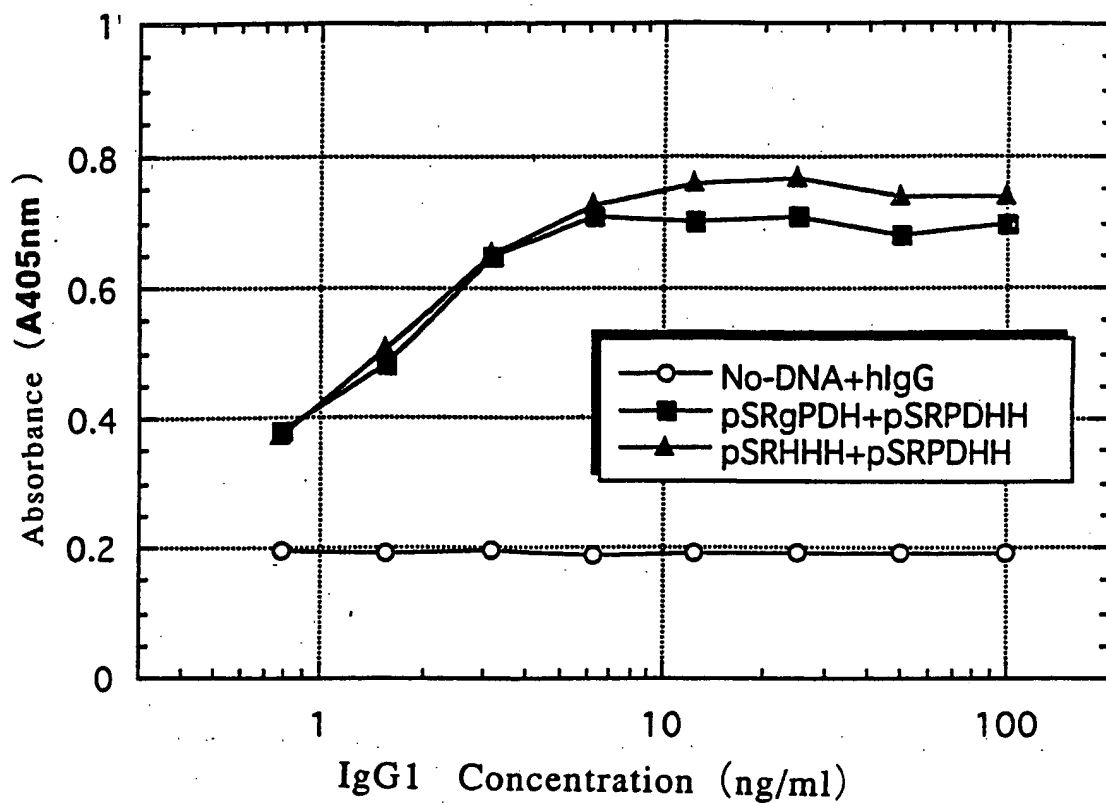


Fig. 72

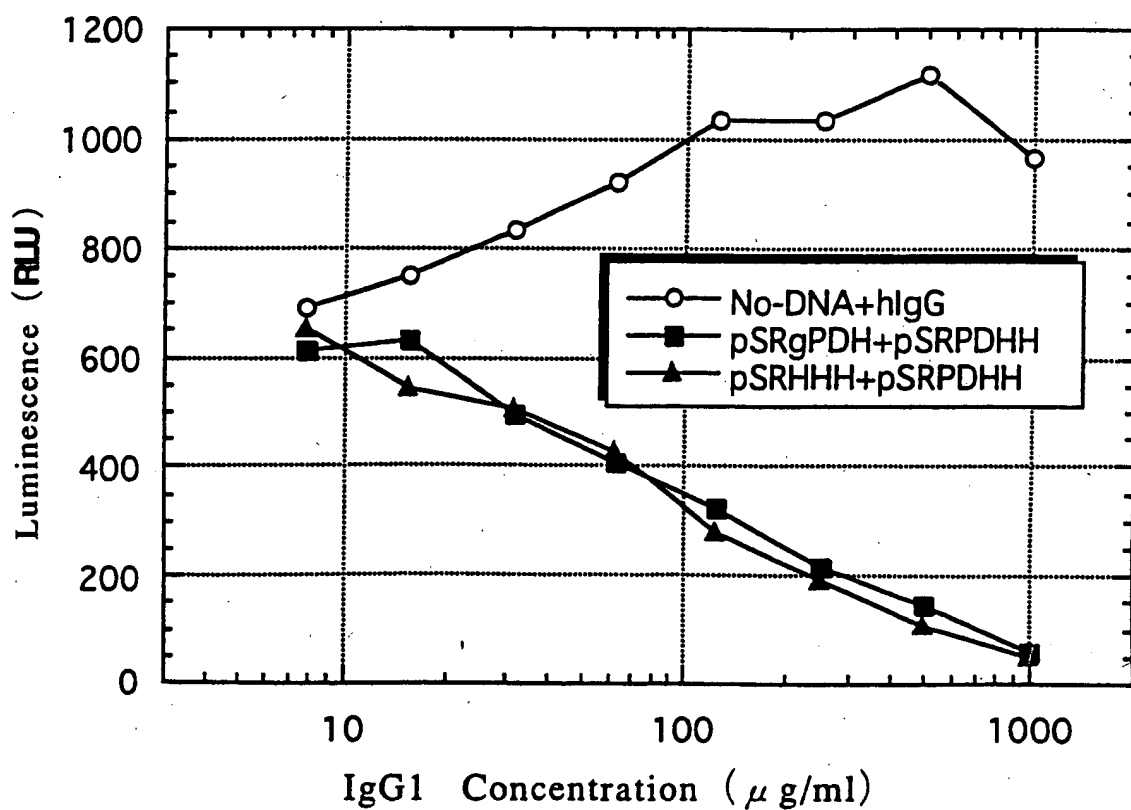


Fig. 73

APPROVED	O.G.HQ.	SUBCLASS
BY	CLASS	530
DRAFTSMAN		382.15

00000000000000000000

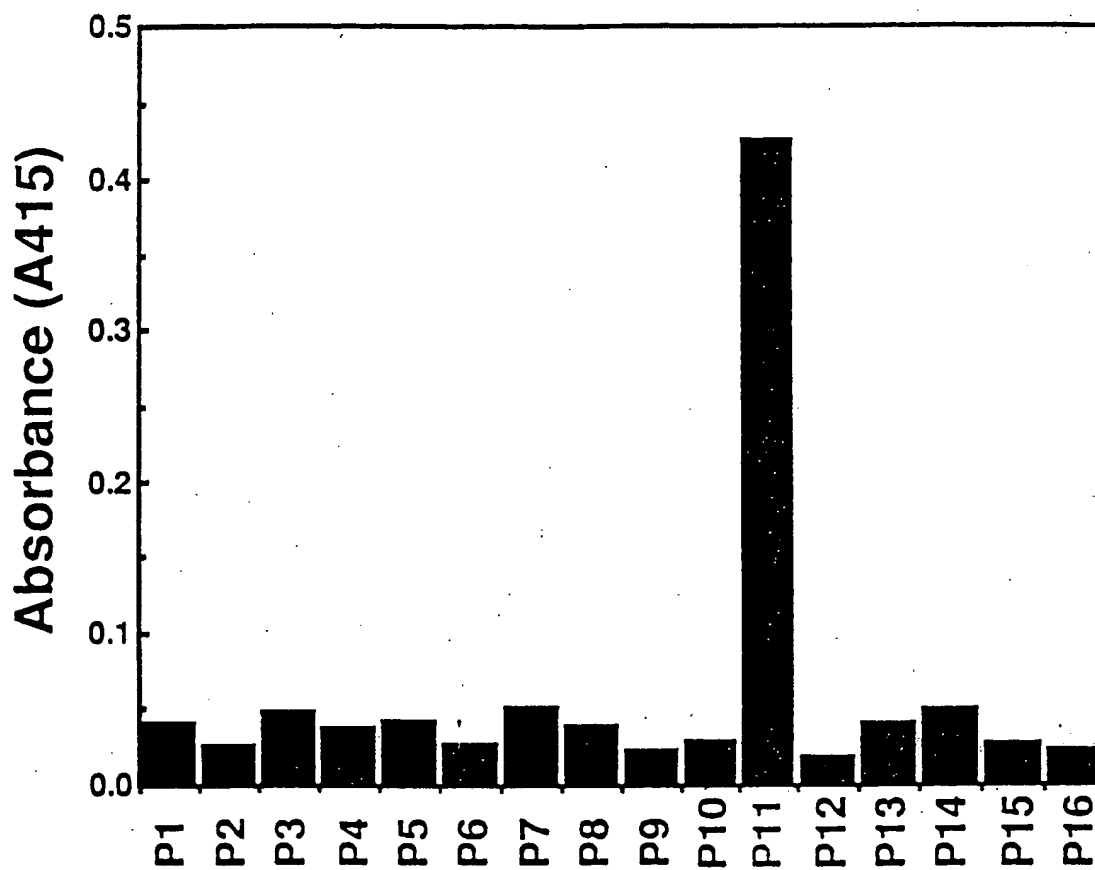


Fig. 3

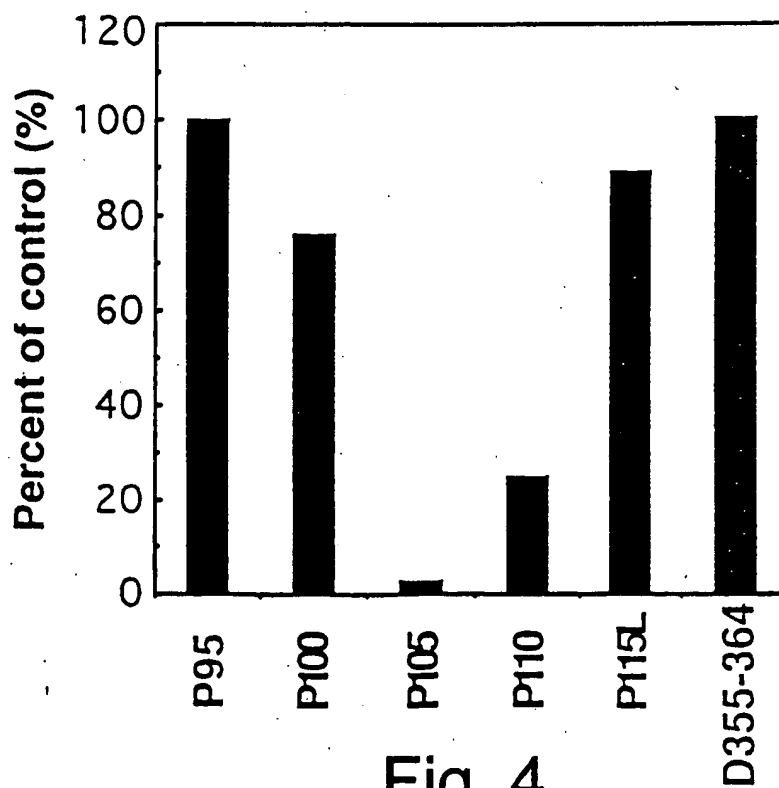


Fig. 4

GPT level in the serum (IU/L)

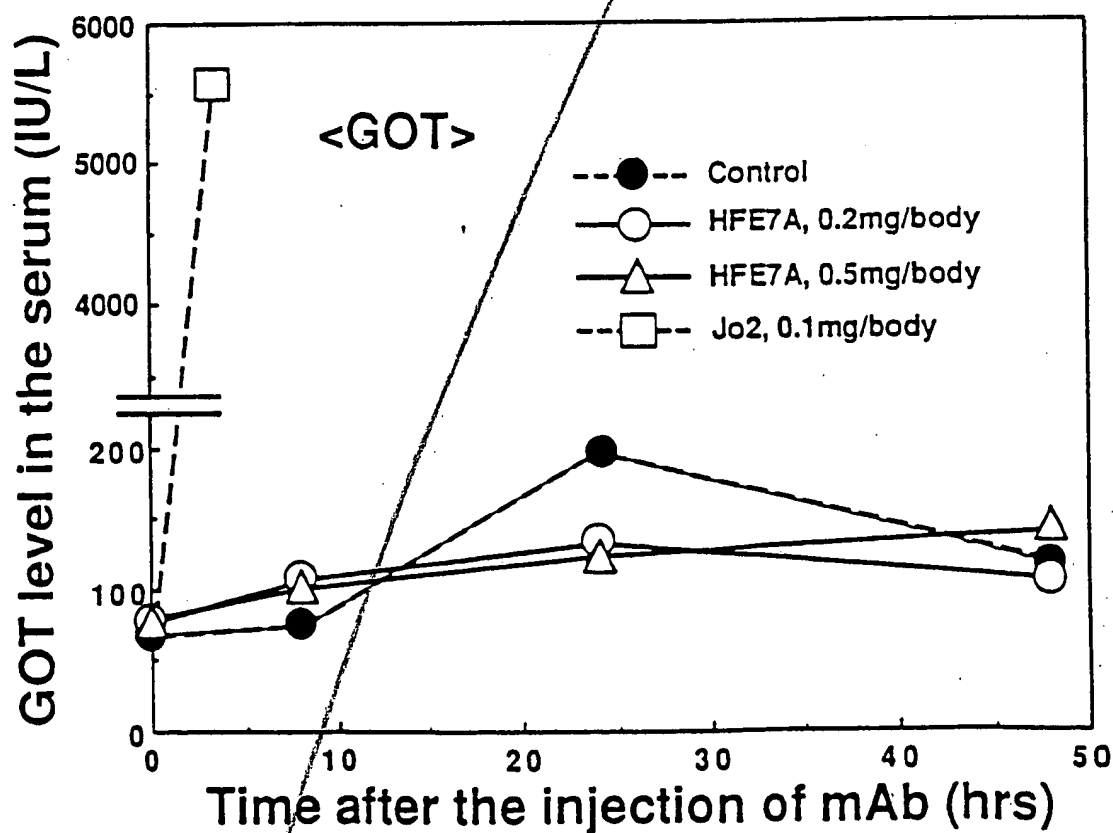
Time after the injection of mAb (hrs)

<GPT>

Legend:

- Control (dashed line, solid circle)
- HFE7A, 0.2mg/body (solid line, open circle)
- HFE7A, 0.5mg/body (solid line, open triangle)
- Jo2, 0.1mg/body (dashed line, open square)

Time (hrs)	Control (IU/L)	HFE7A, 0.2mg/body (IU/L)	HFE7A, 0.5mg/body (IU/L)	Jo2, 0.1mg/body (IU/L)
0	~40	~60	~50	~2500
4	~50	~60	~60	~5500
8	~50	~70	~60	-
24	~160	~100	~120	-
48	~90	~80	~140	-



10 20 30
me after the injection
Fig. 5



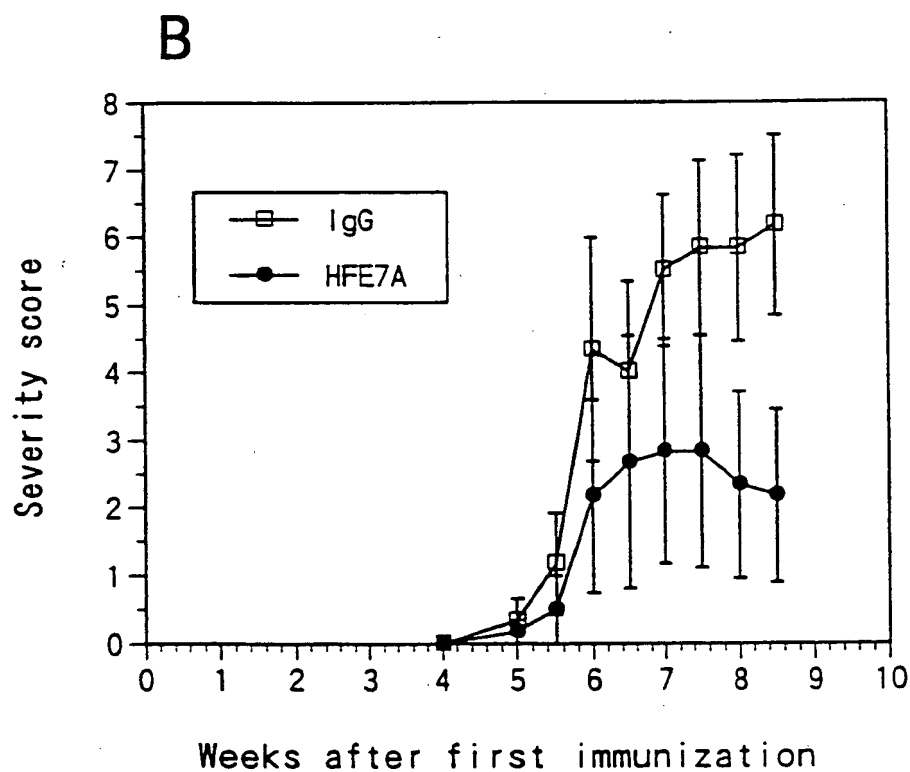
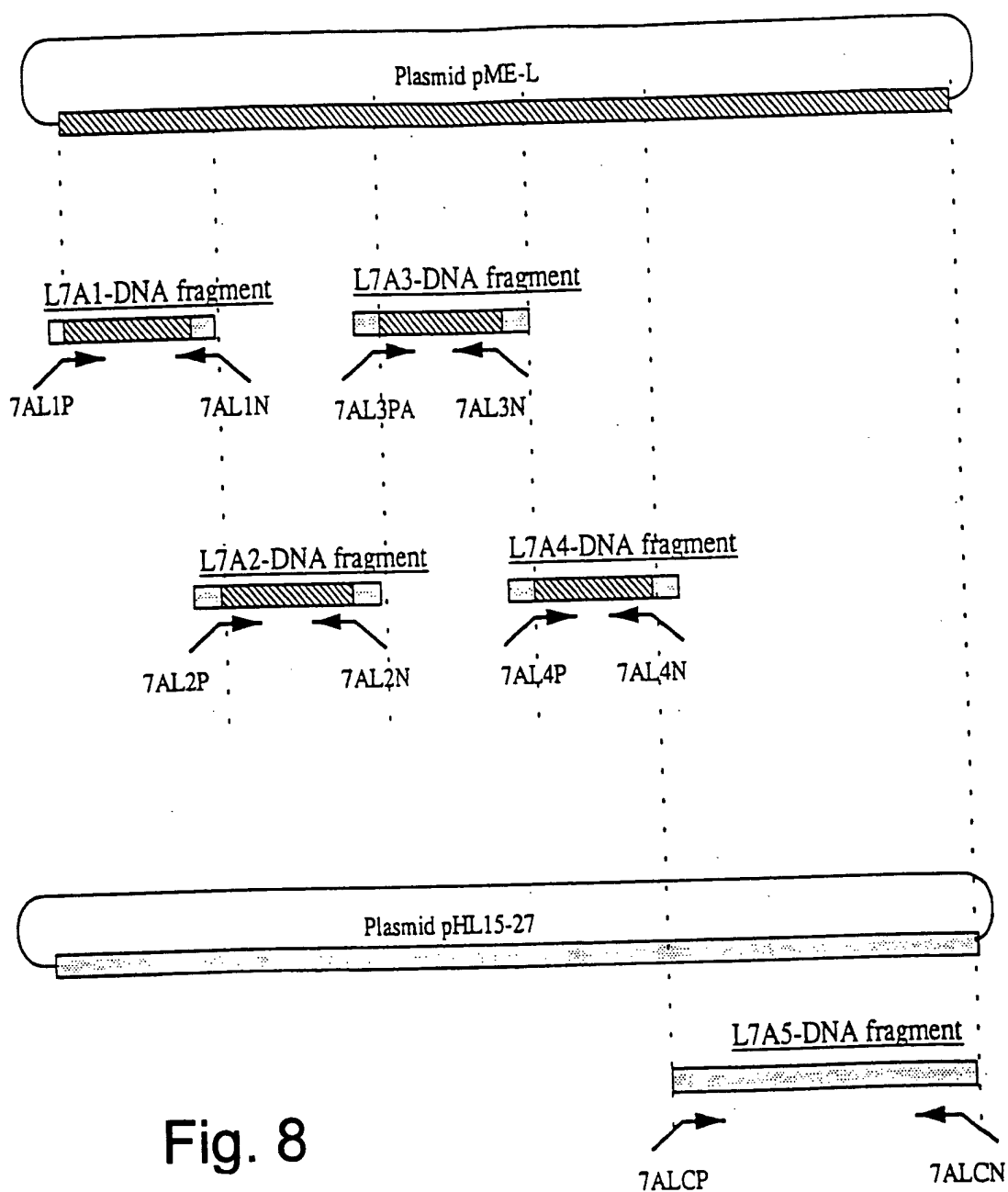
[illegible]

Fig. 7



APPROVED	BY	CLASS	SUBCLASS
		530	389.15
DRAFTSMAN			

000000-29900000

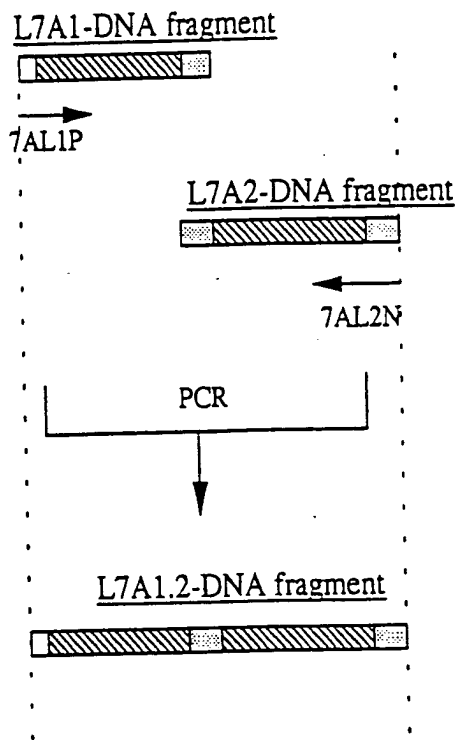
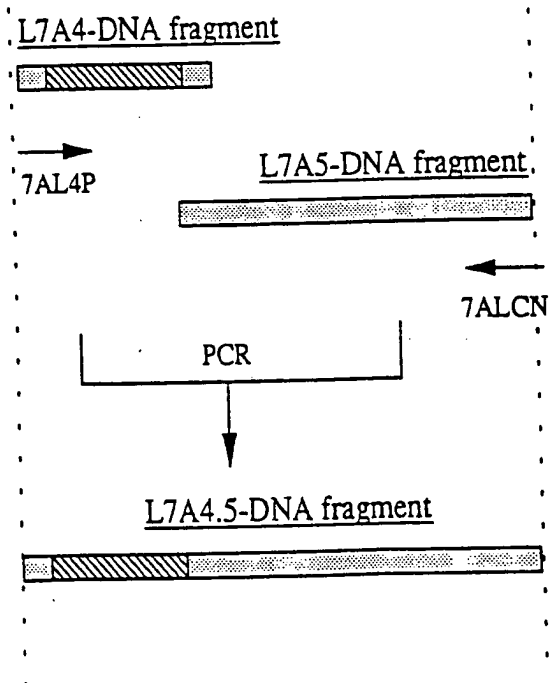


Fig. 9



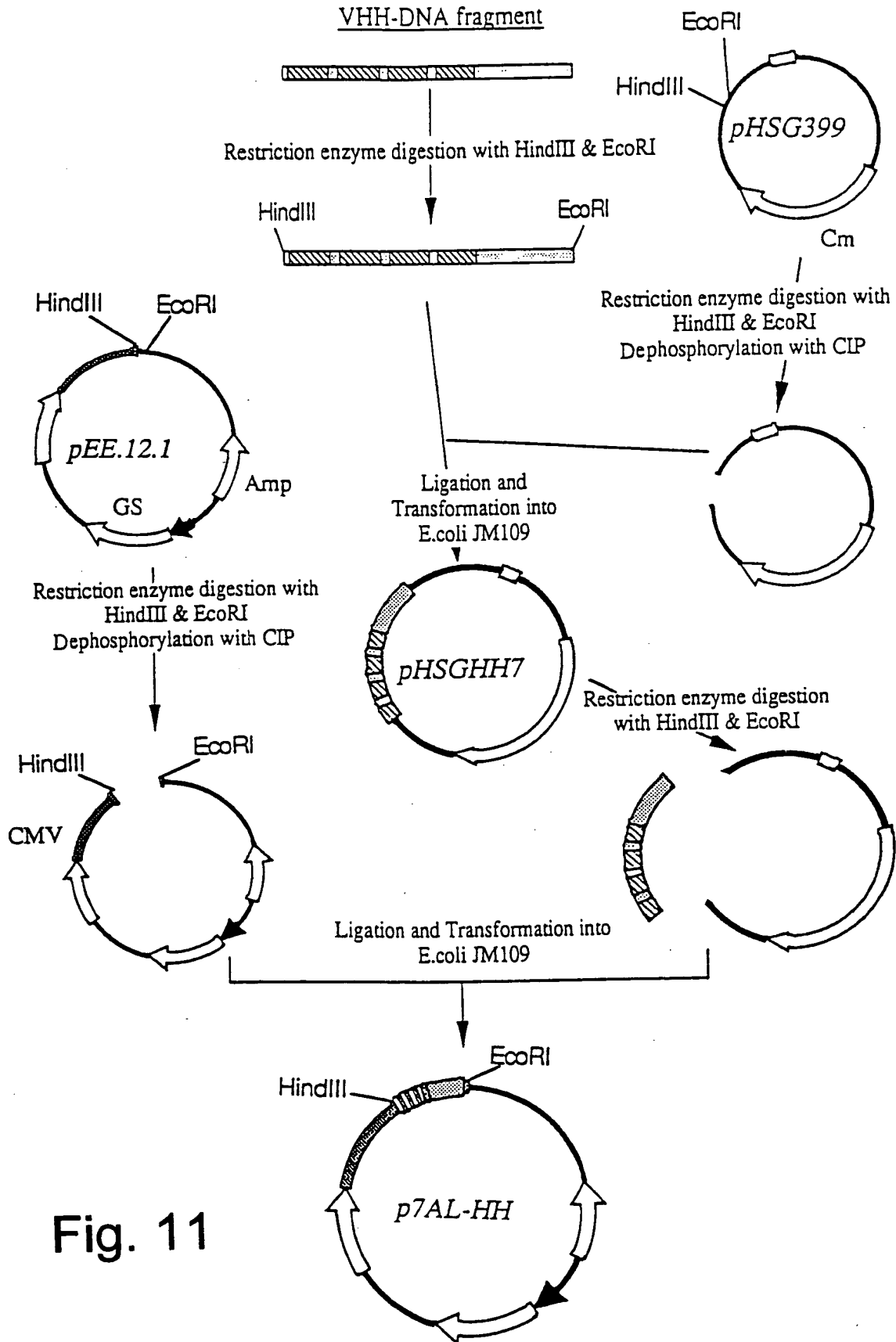


Fig. 11

APPROVED	O.G. FIG.
BY	CLASS
DP/AFS/MAH	530
	SUBCLASS
	388.15

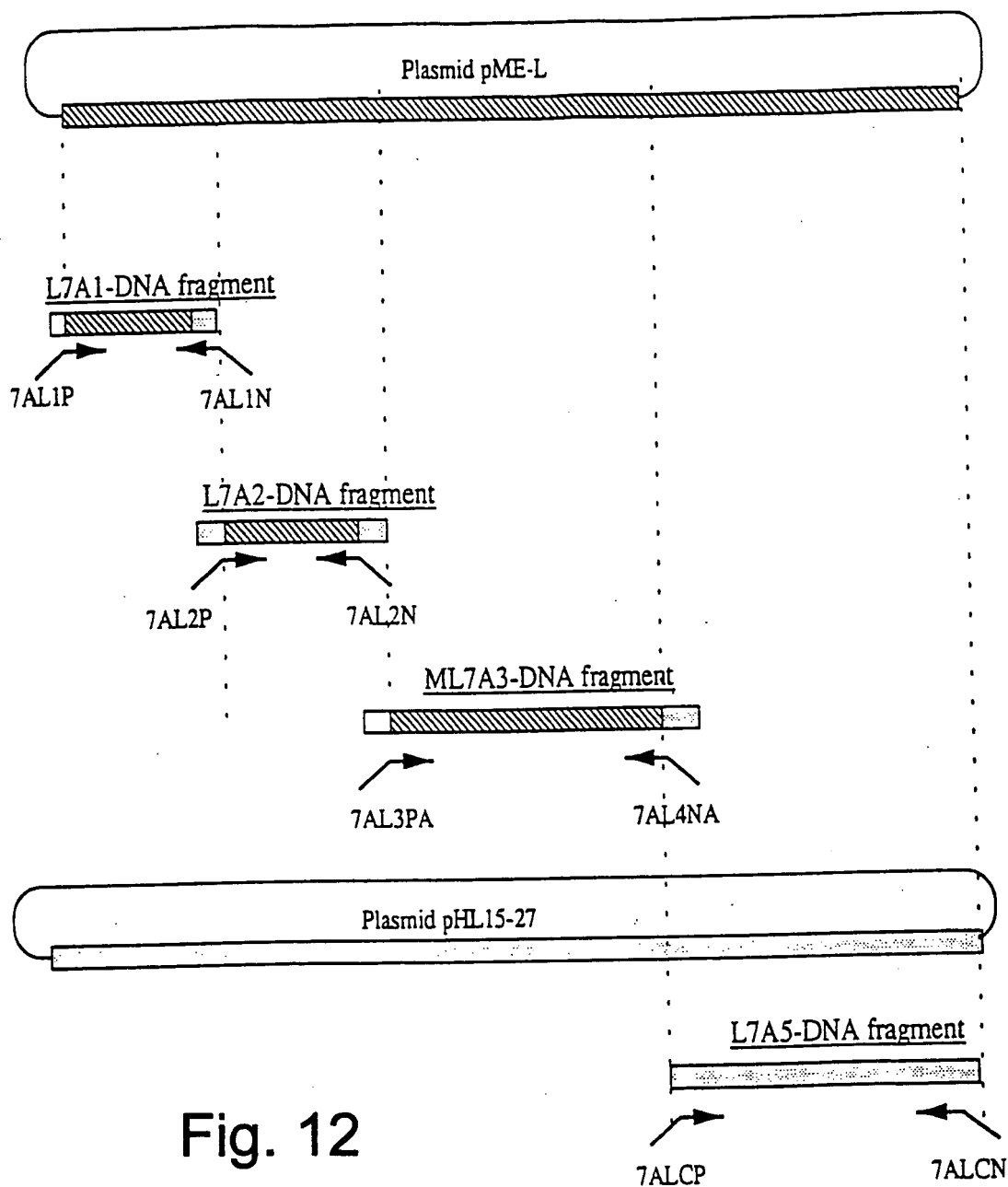


Fig. 12

APPROVED	O.G. FIG.
BY	SUBCLASS
CHAFTSWAN	530 398.15

000000 25500000

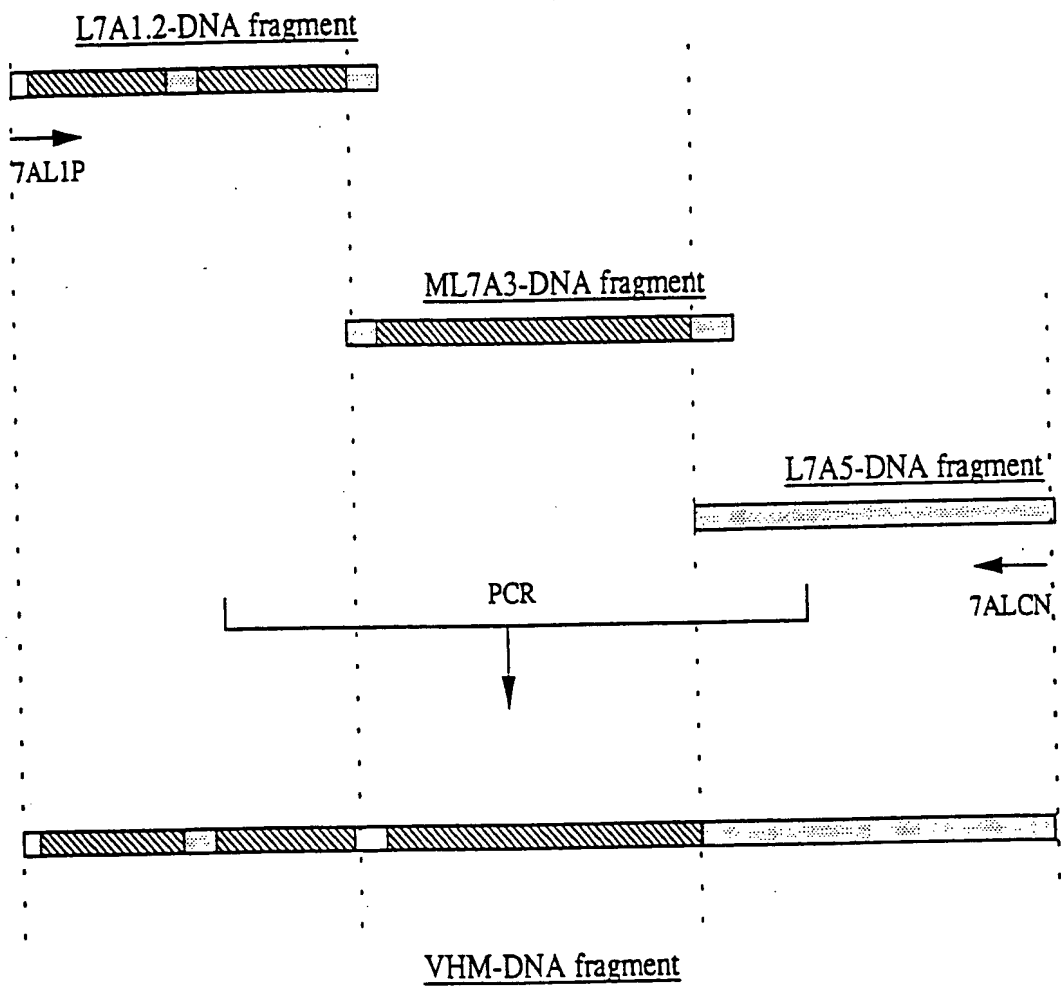


Fig. 13

000000 222222

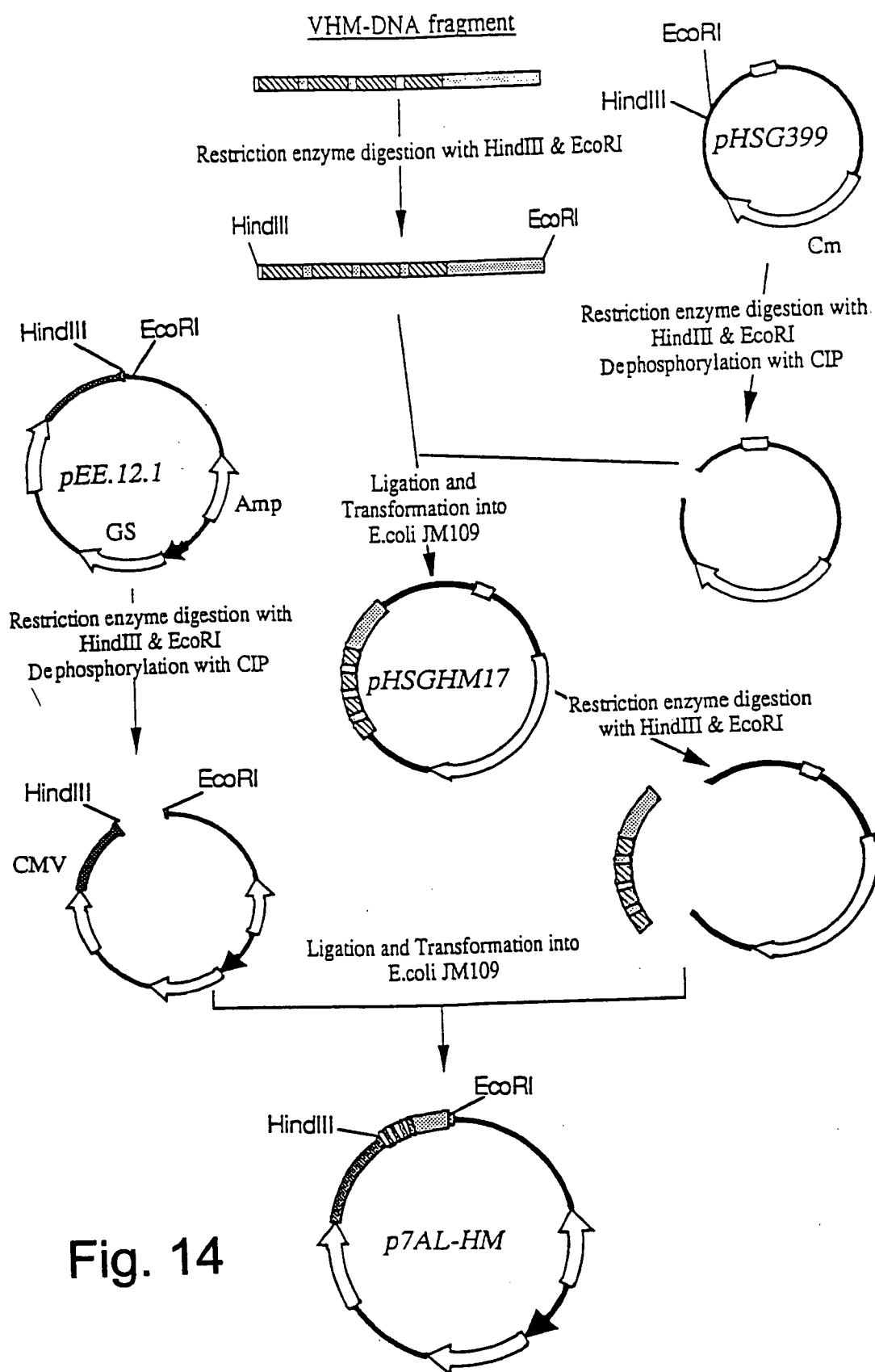


Fig. 14

APPROVED	BY	CLASS	SUBCLASS
		530	39.15
DRAFTSMAN			

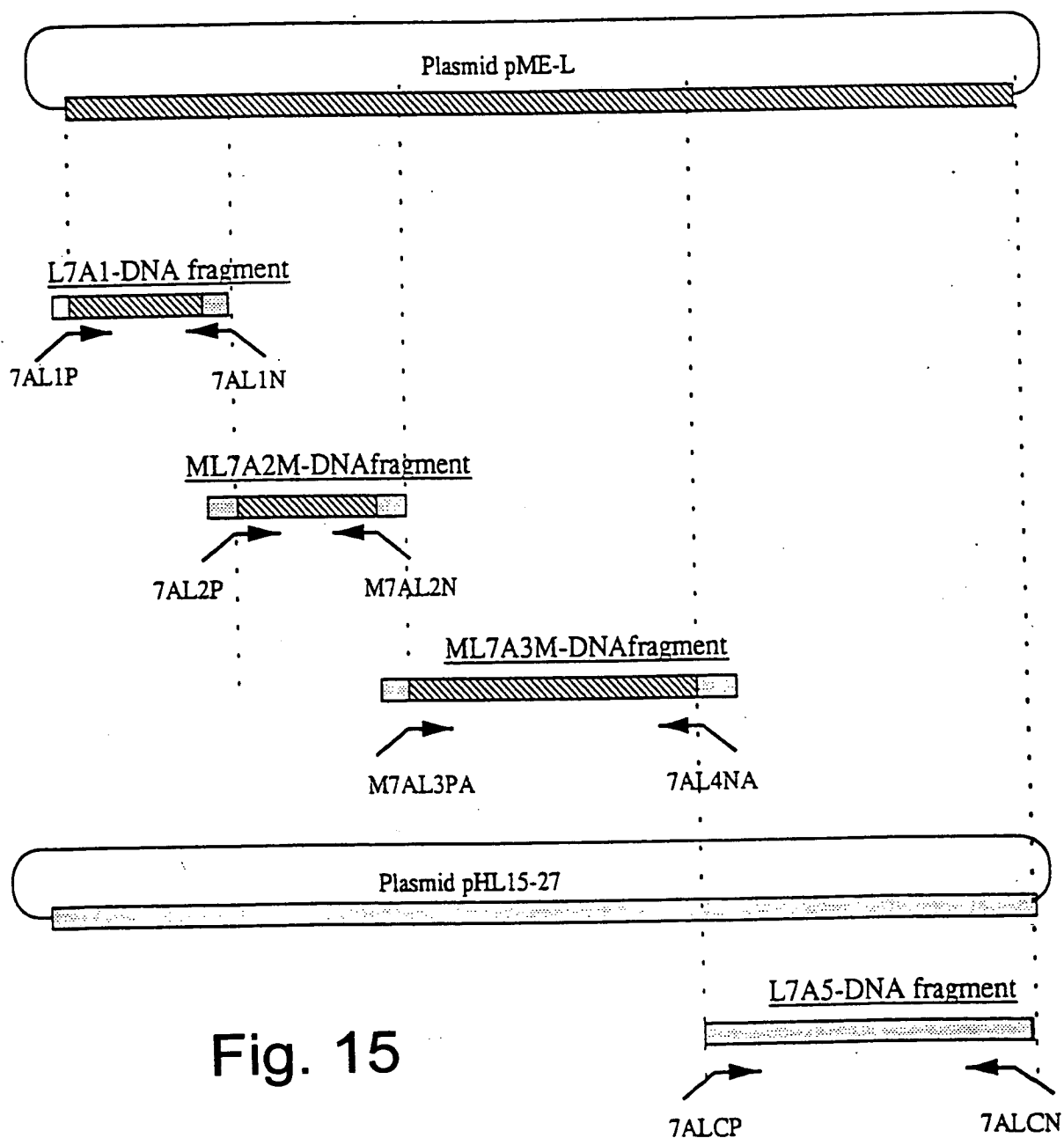


Fig. 15

APPROVED	BY	CLASS	SURCLASS
	DRAFTSMAN	530	399.15
O.G. FIG.			

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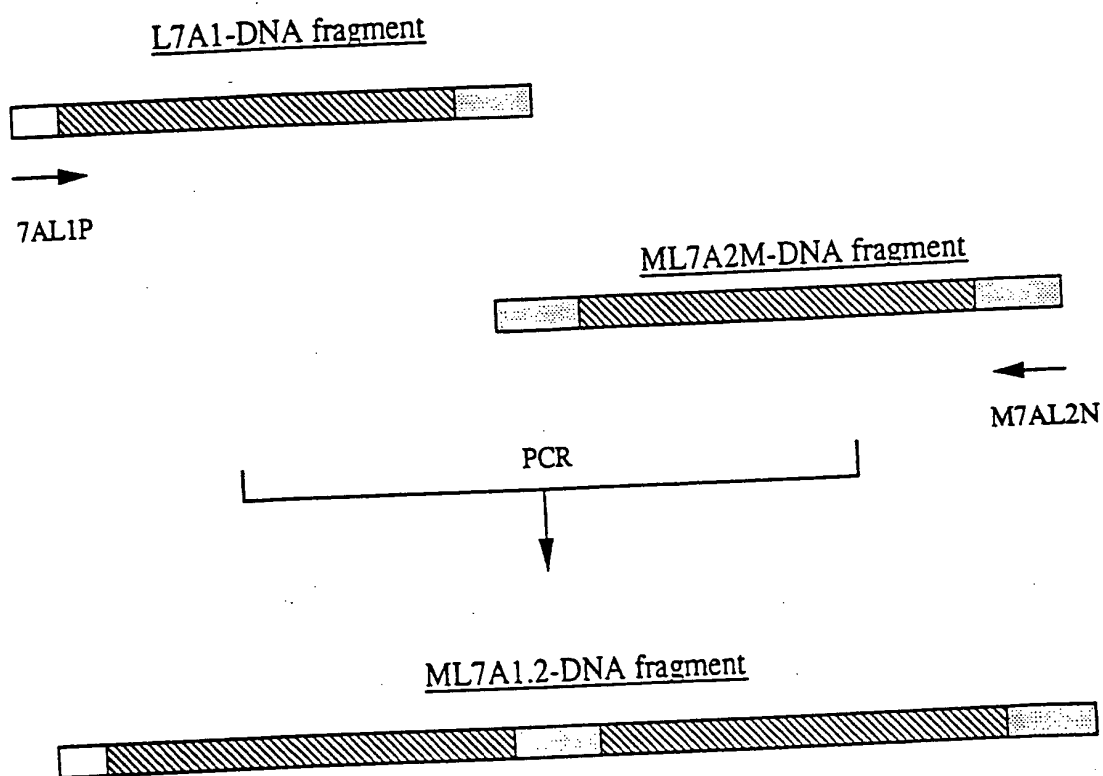


Fig. 16

APPROVED	O.G. FIG.	SUBCLASS
BY	CLASS	392.15
DRAFTSMAN	330	

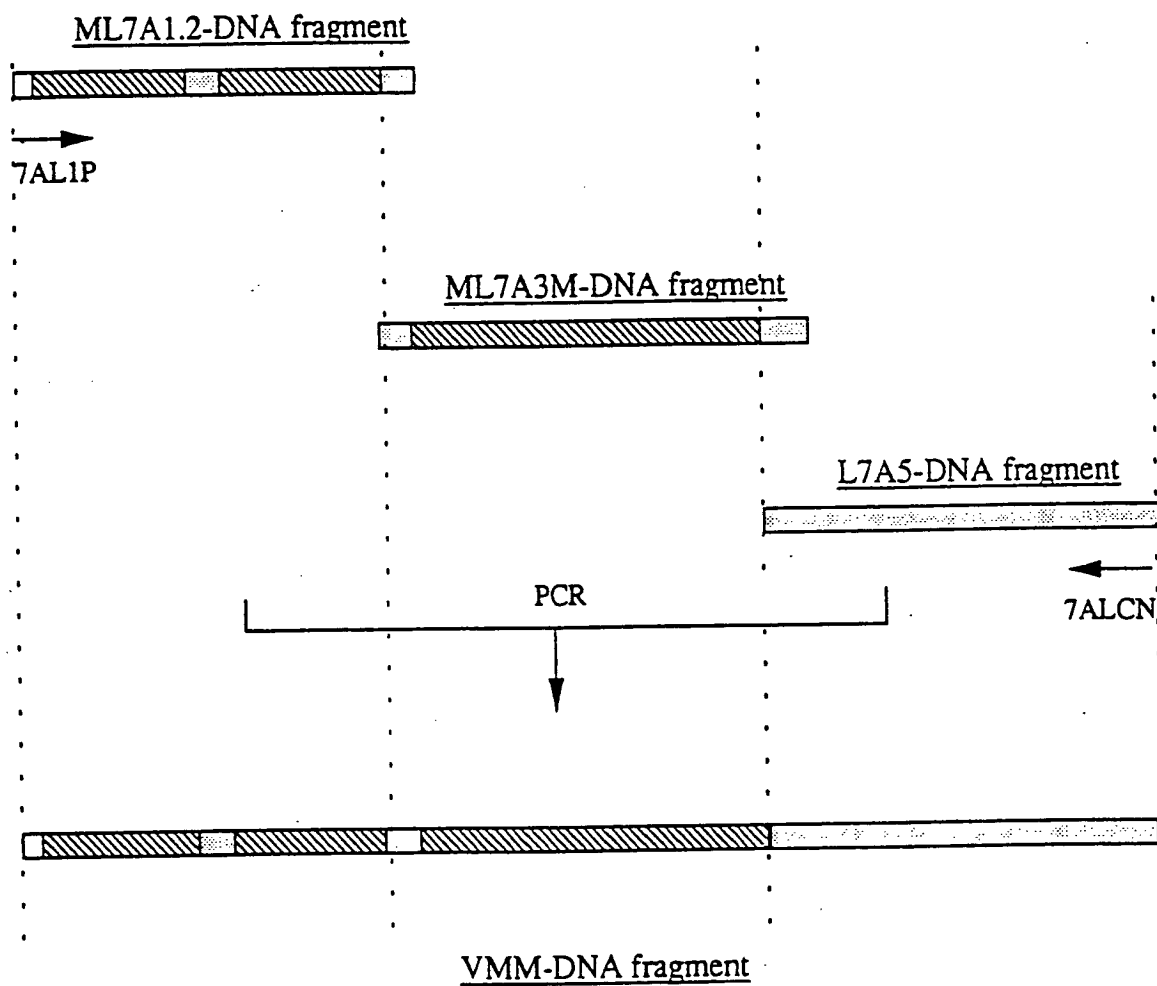
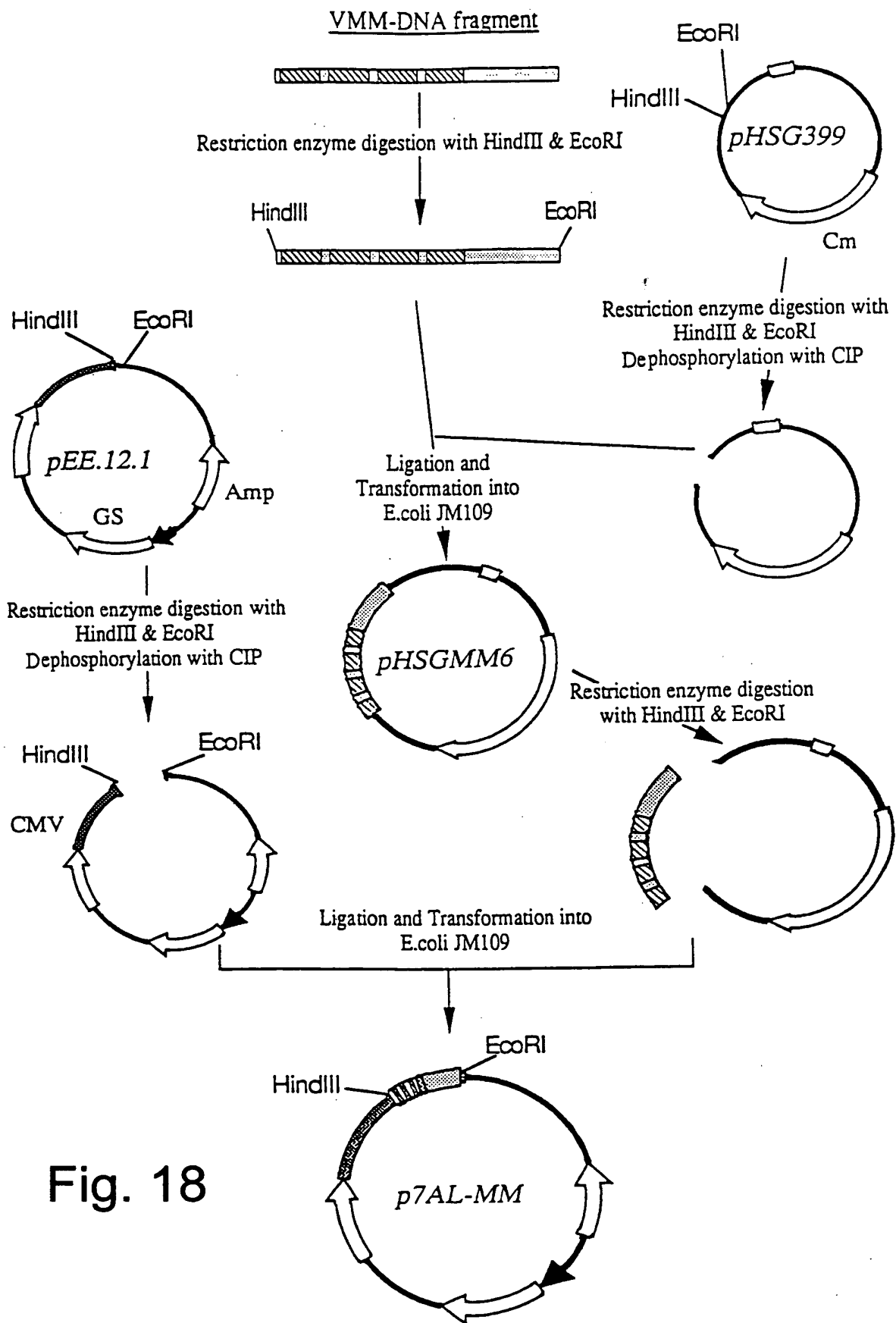


Fig. 17

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN	530	378.15



APPROVED O.G. FIG.		
BY	CLASS	SUBCLASS
THAFTSMAN	630	388.15

000000' 23300400

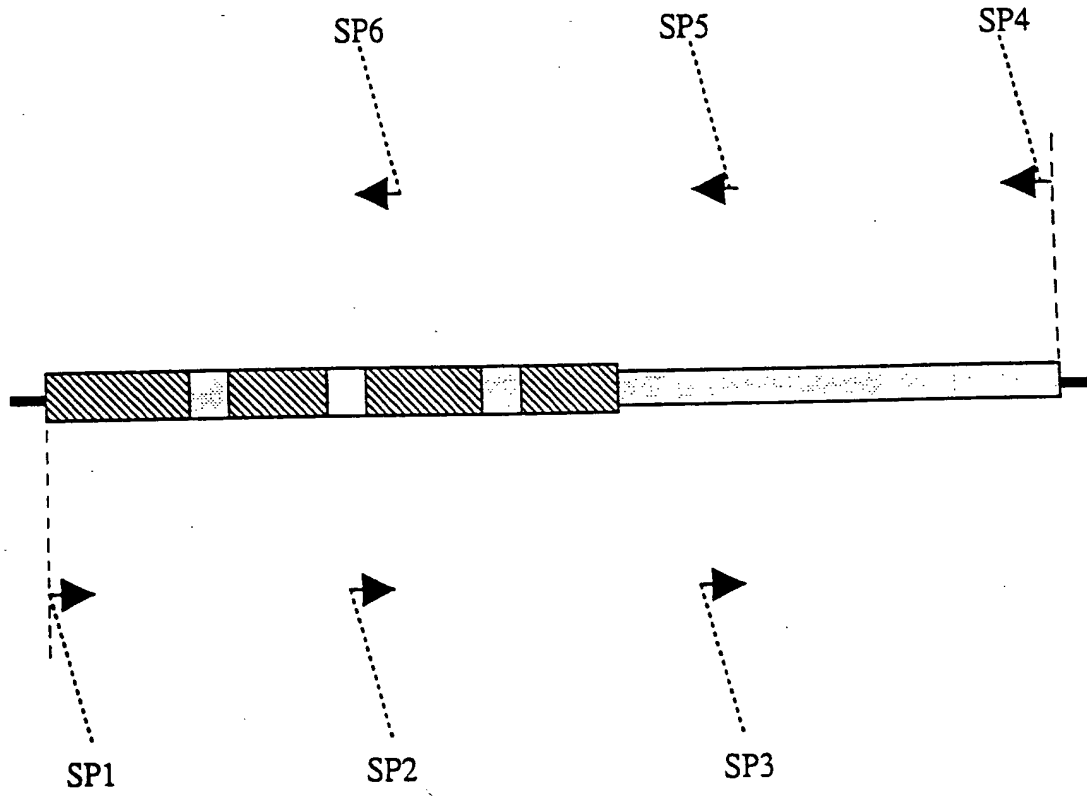
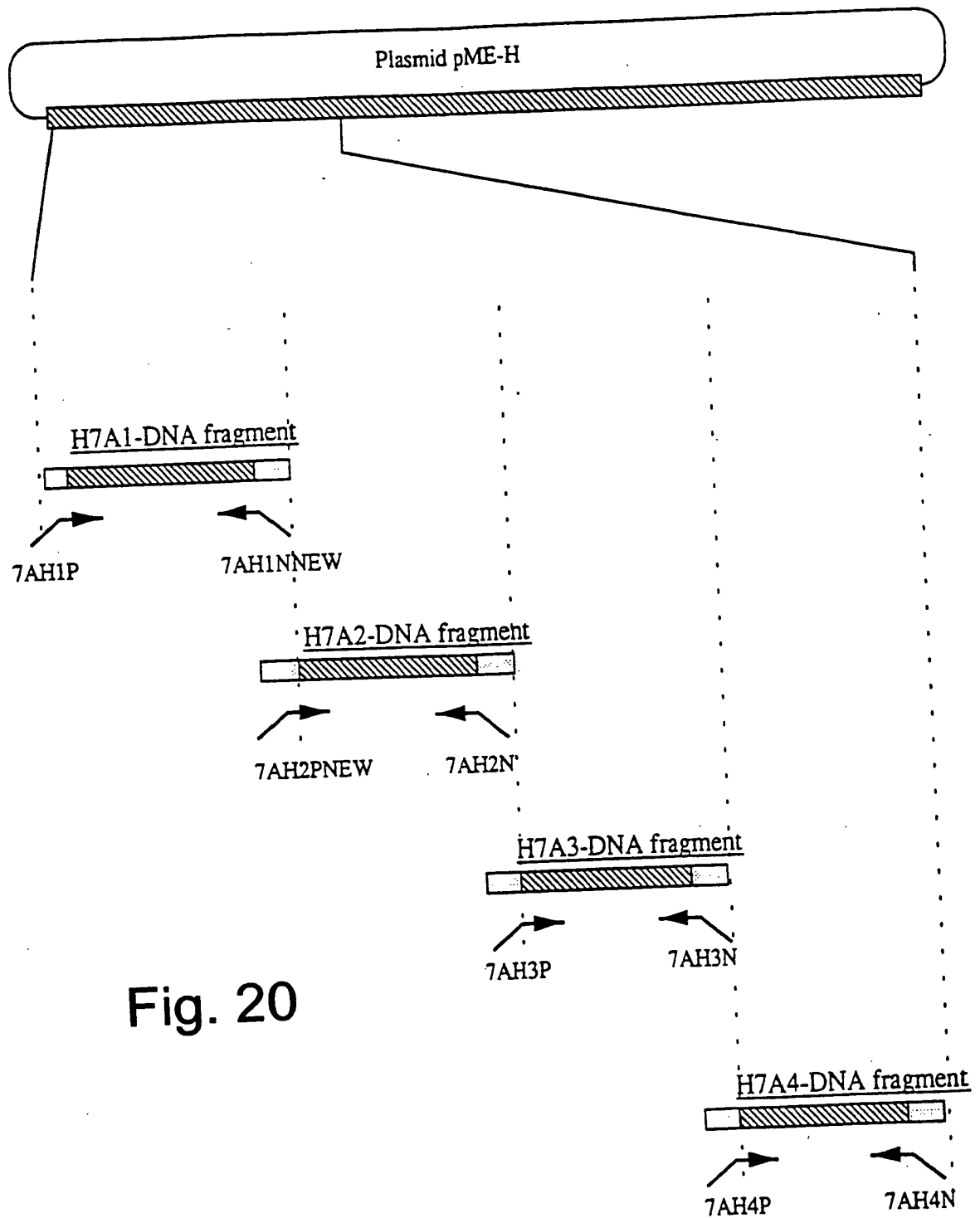


Fig. 19



000000 26900000

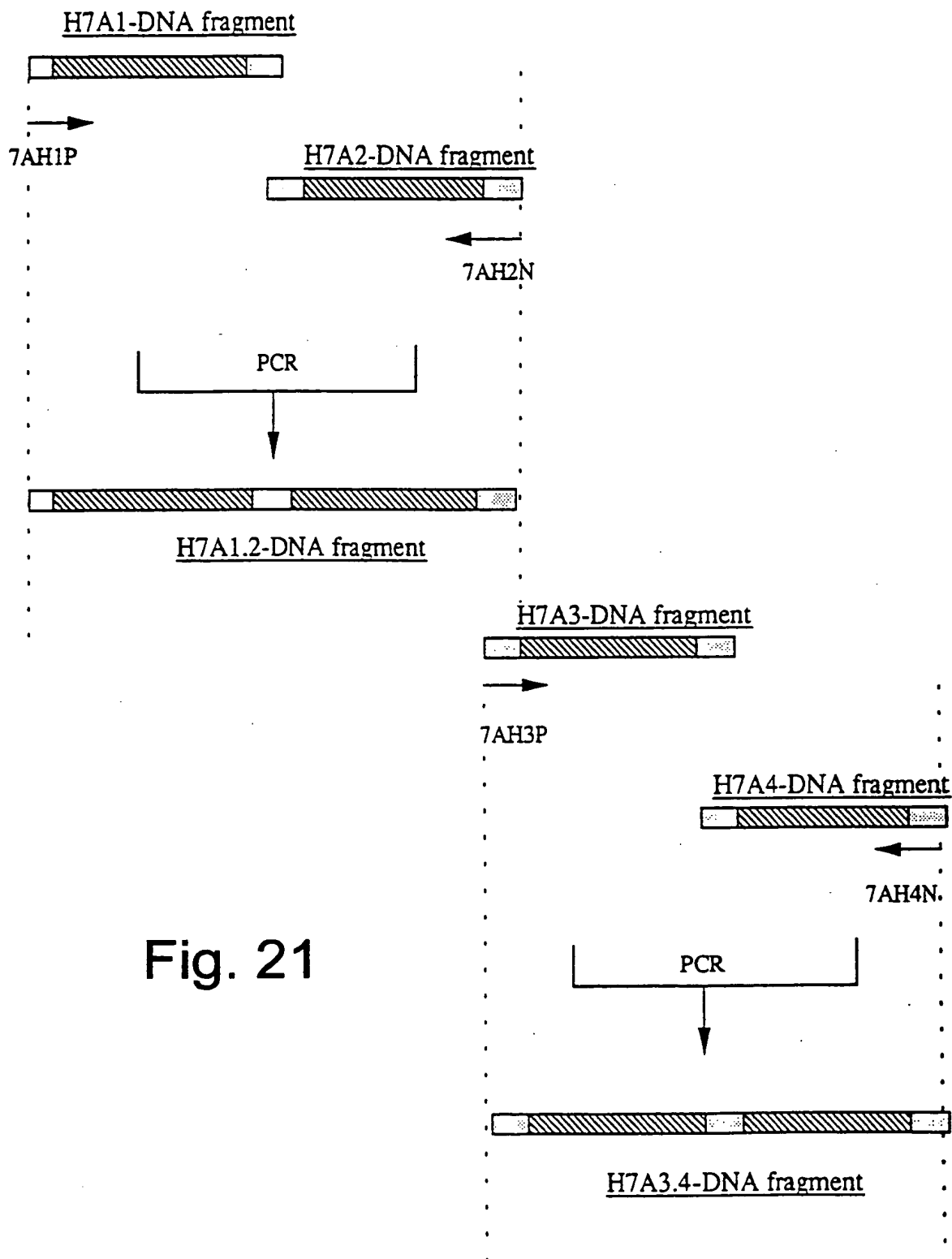


Fig. 21

APPROVED	BY	CLASS	SUBCLASS
	DRAFTSMAN	530	324.15

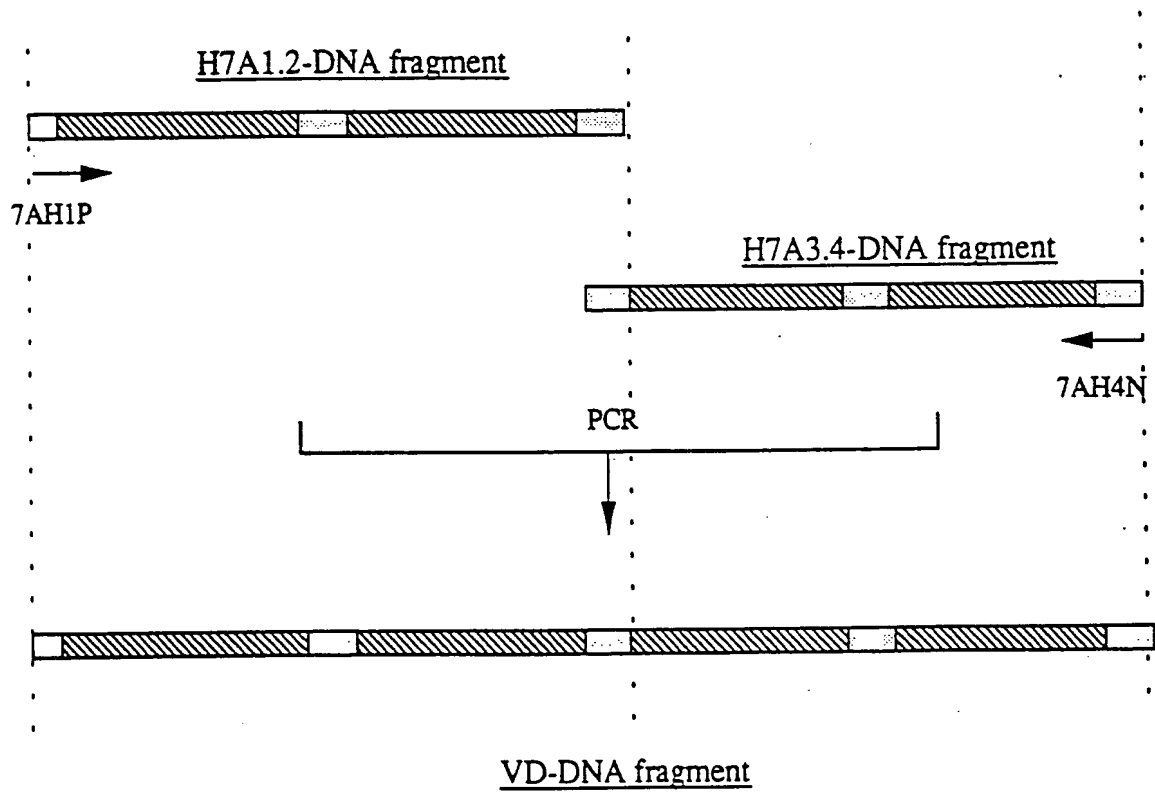


Fig. 22

005020 22900100

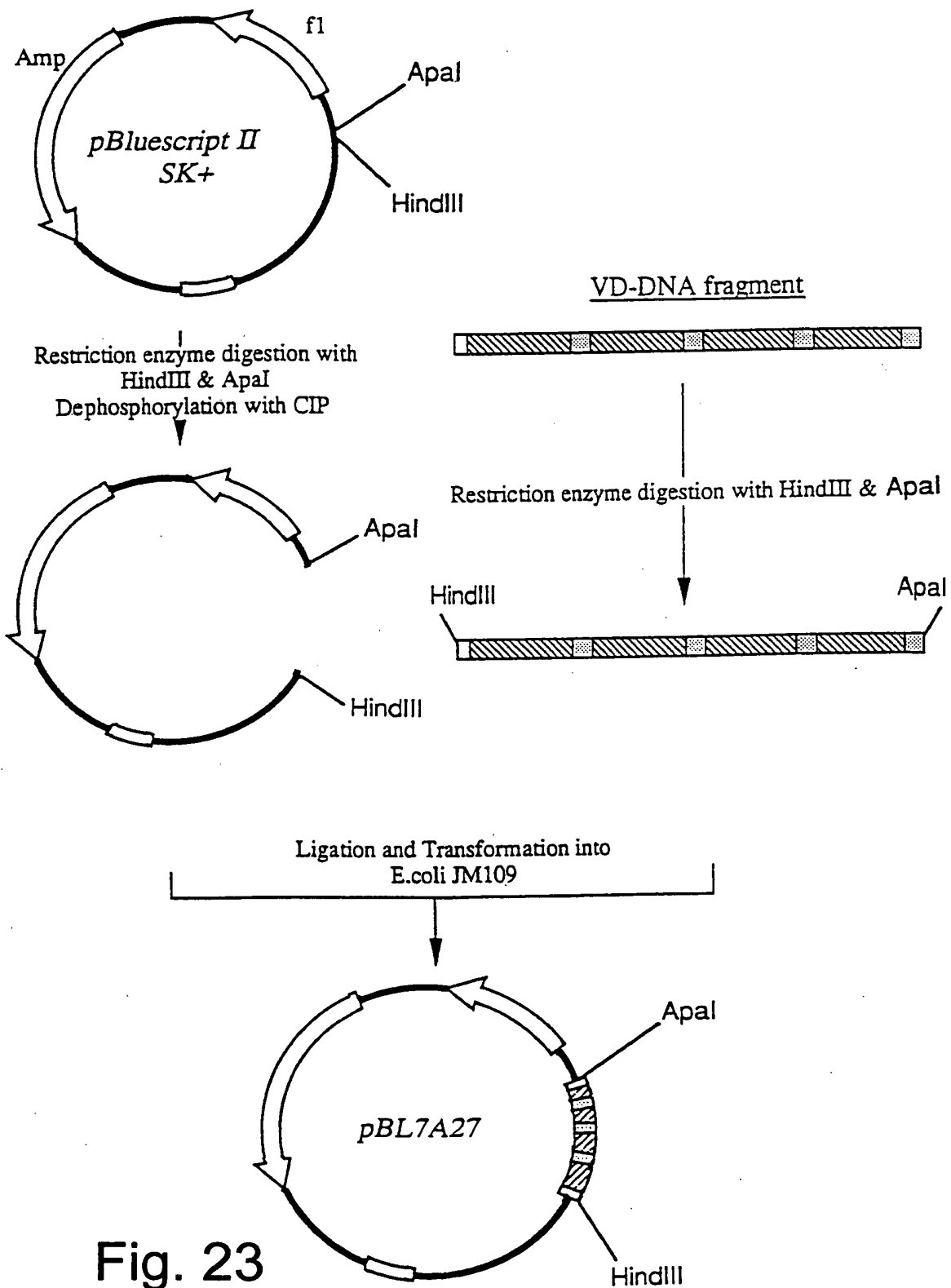
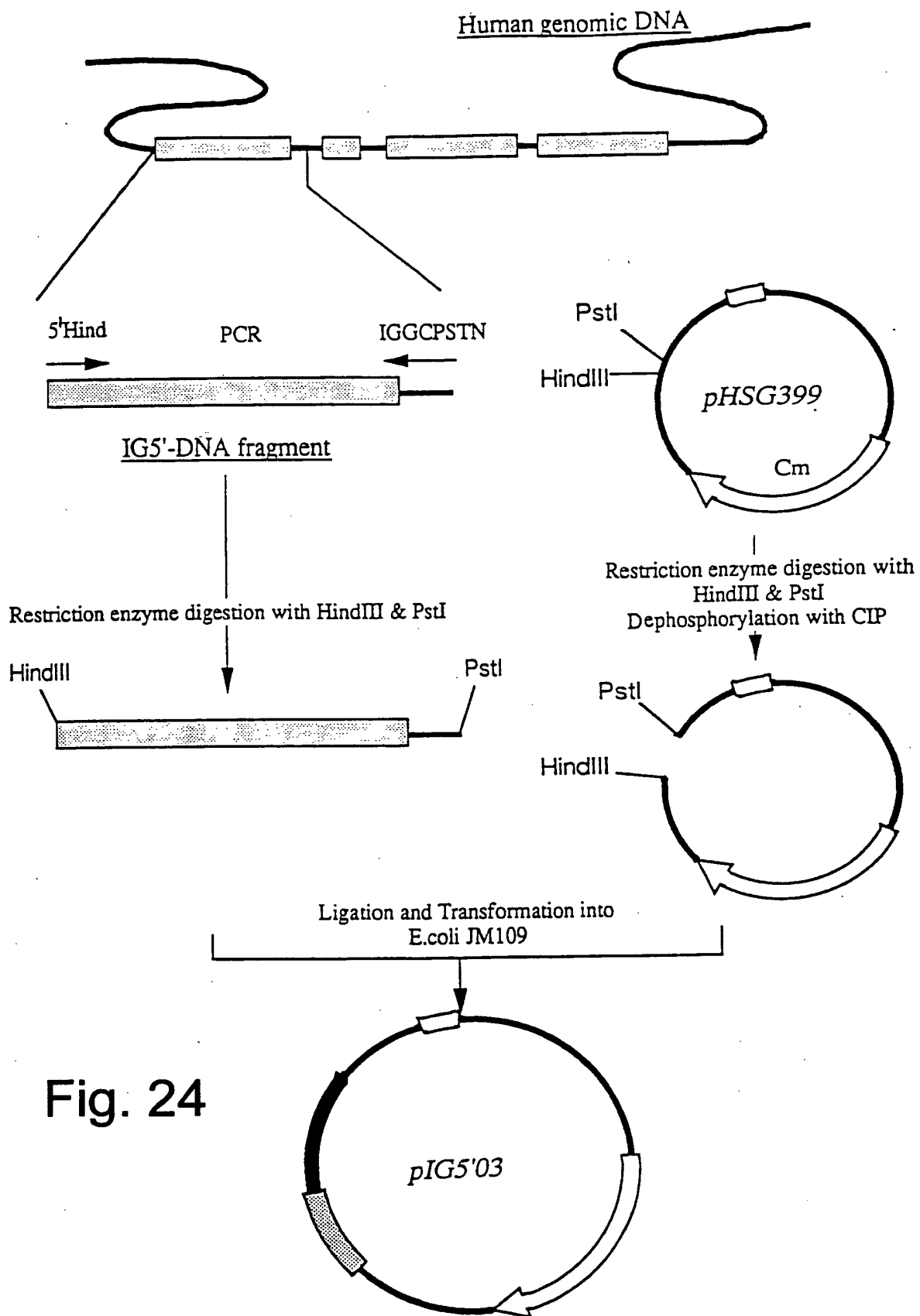


Fig. 23

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN	530	32A.15



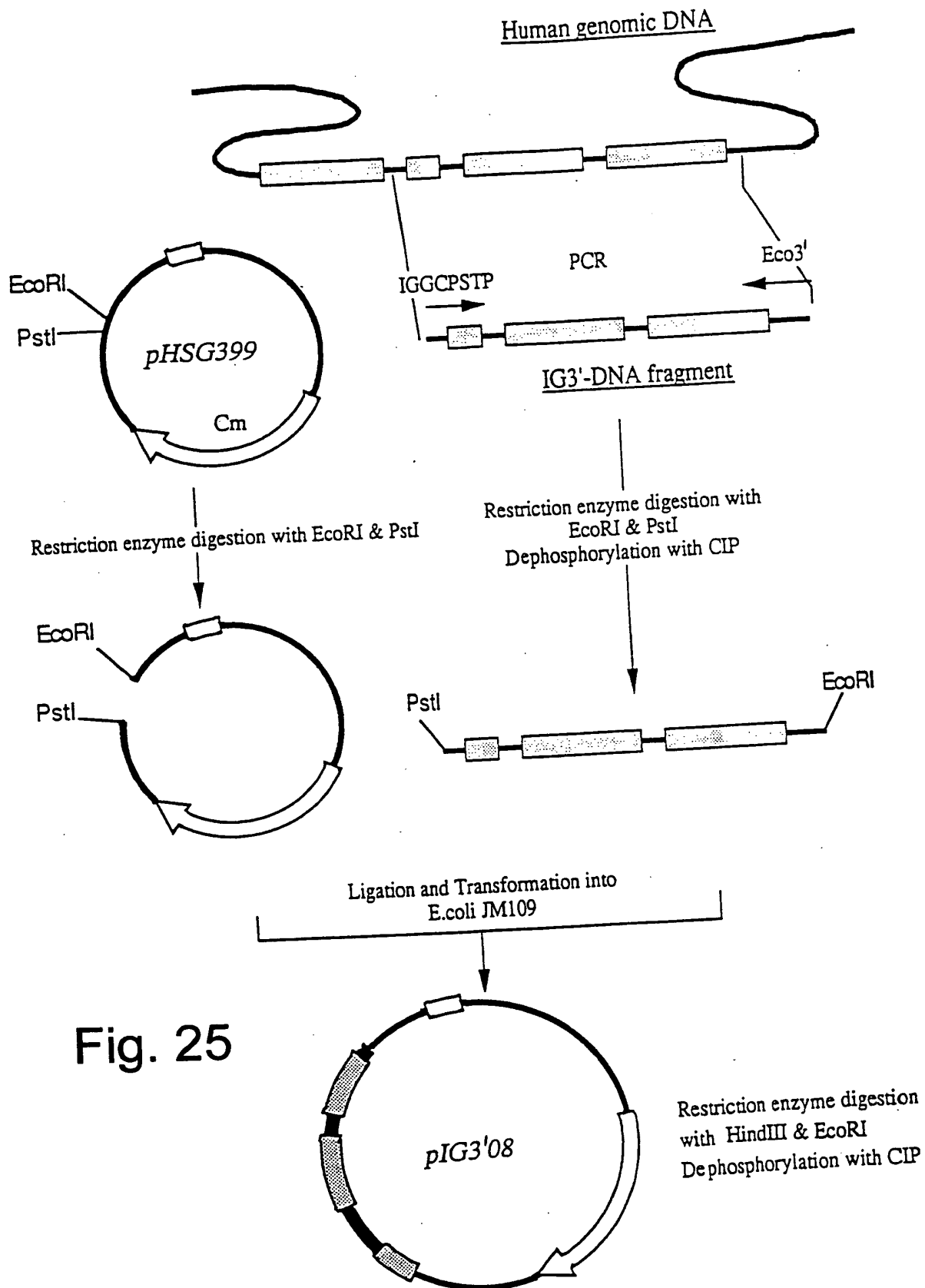


Fig. 25

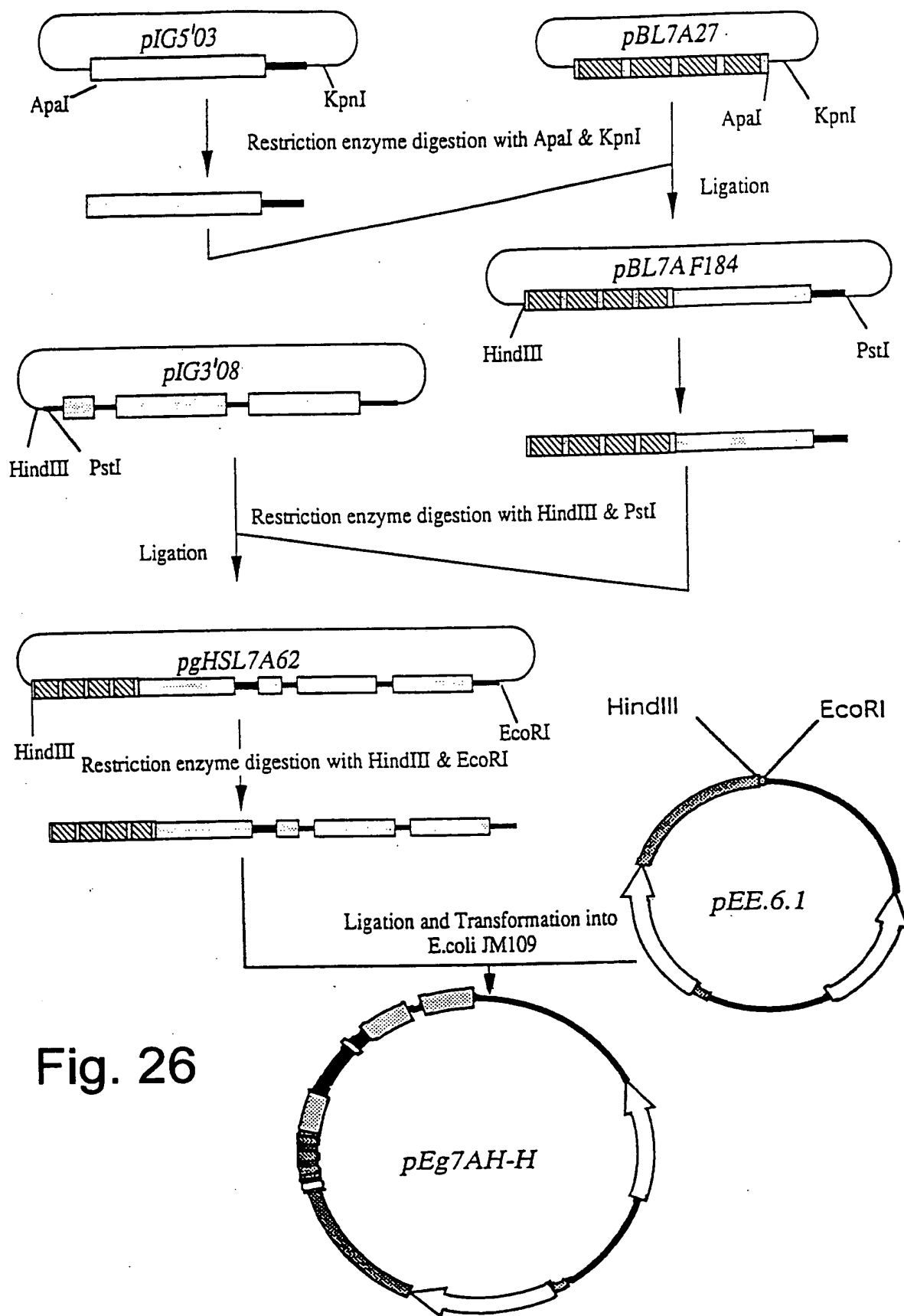


Fig. 26

APPROVED	BY	CLASS	SUBCLASS
	CHARTMAN	530	389.15

005020-29900100

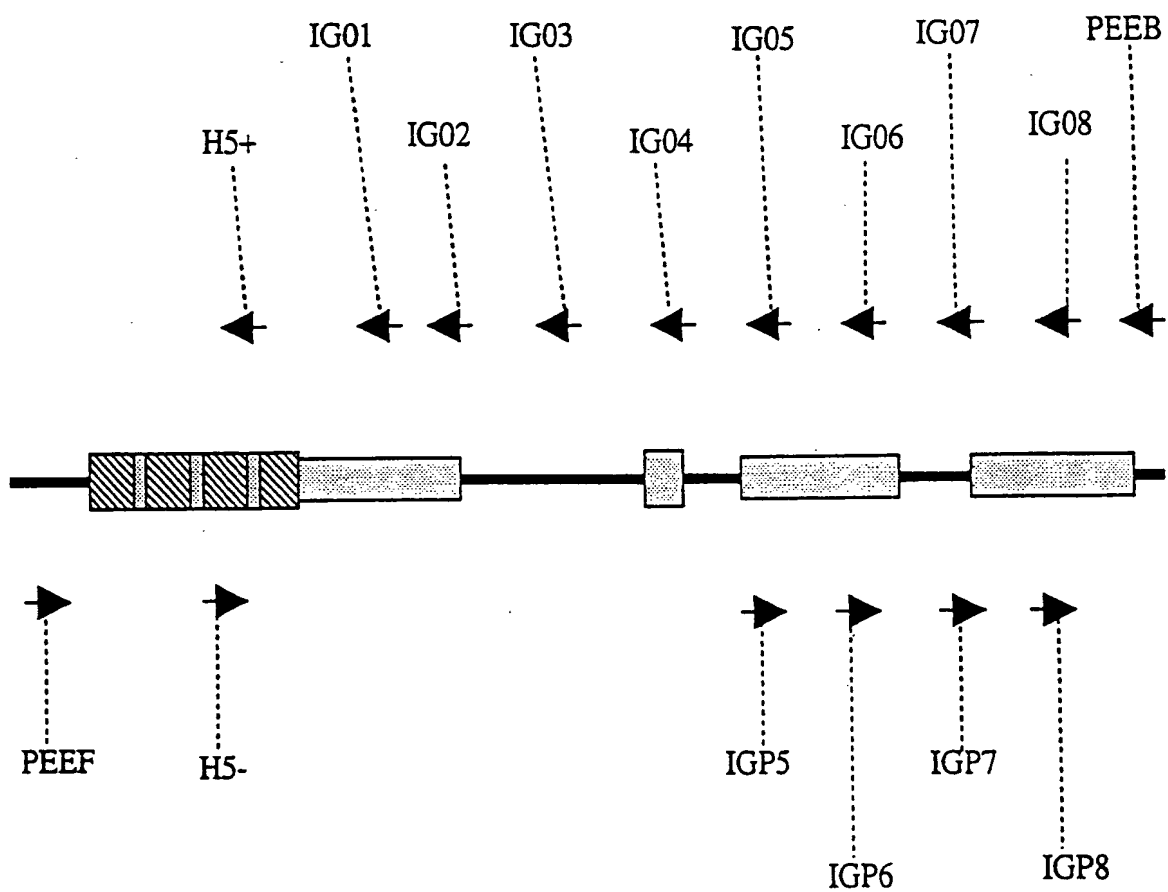


Fig. 27

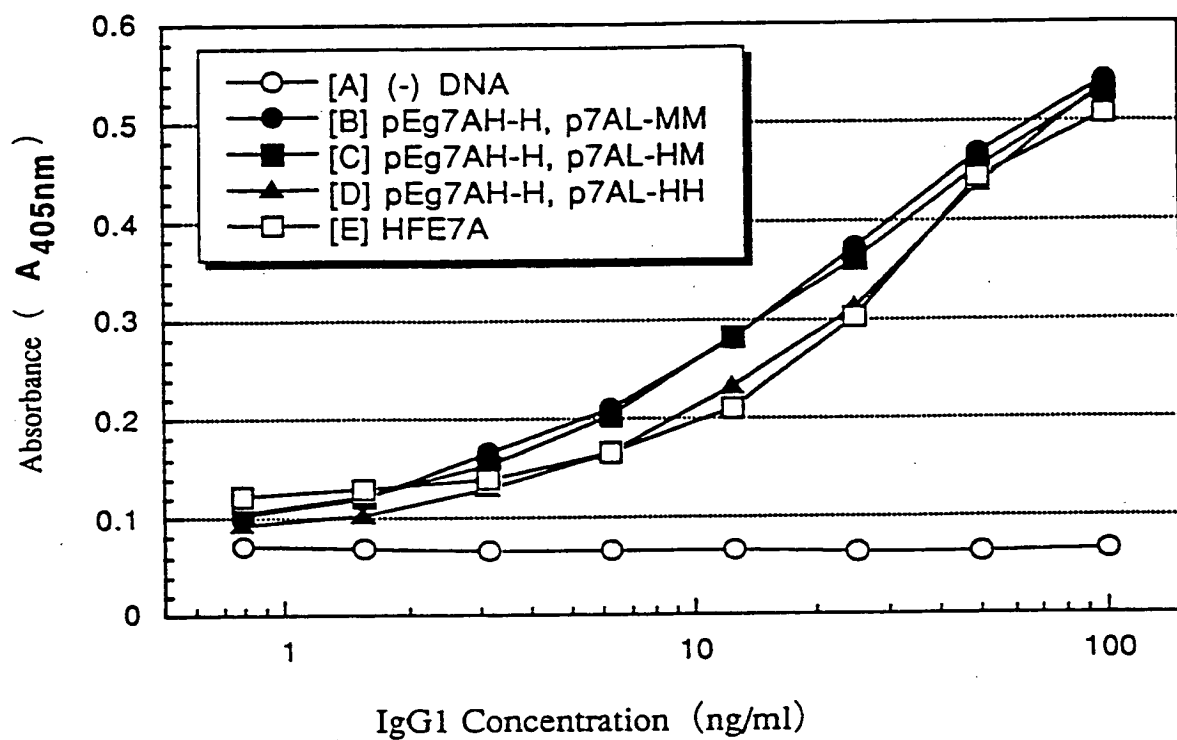


Fig. 28

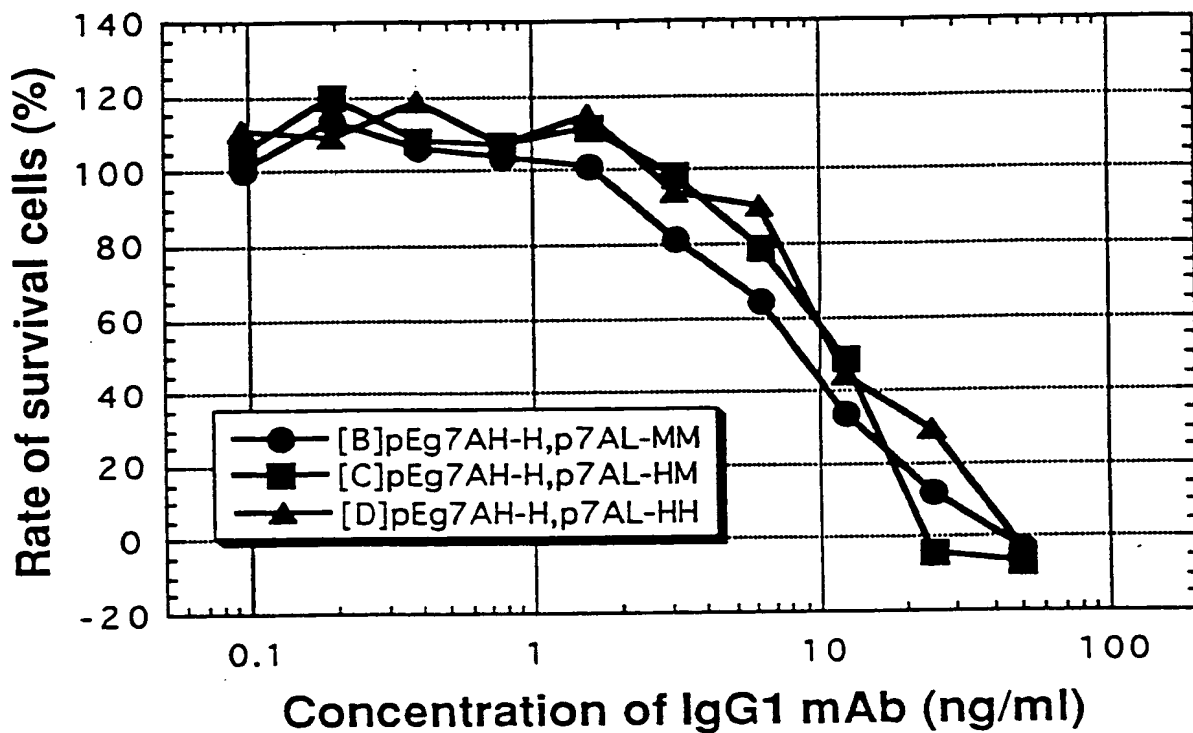


Fig. 30

APPROVED BY:
 DRAFTSMAN:
 CLASS:
 530
 349.15

000000-2936450

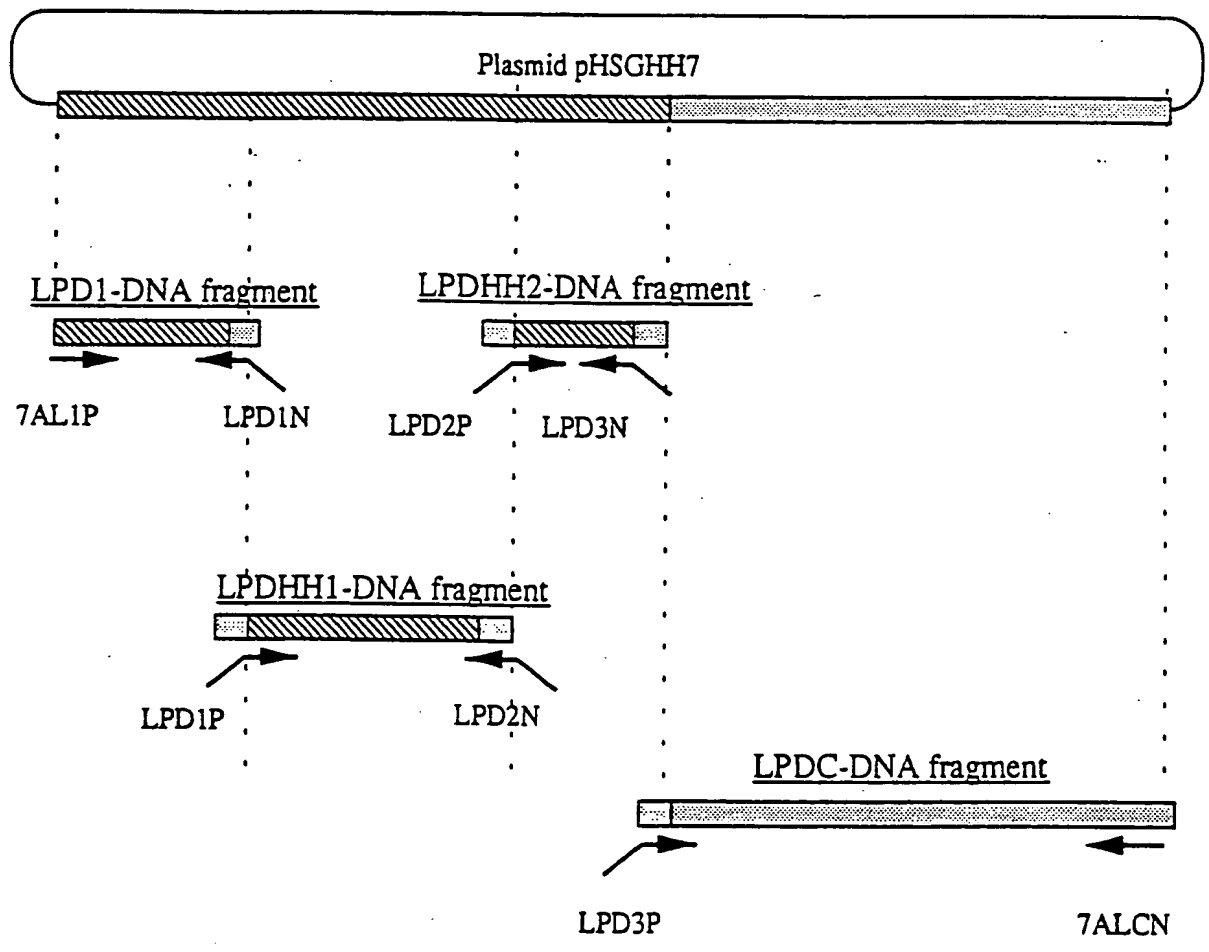
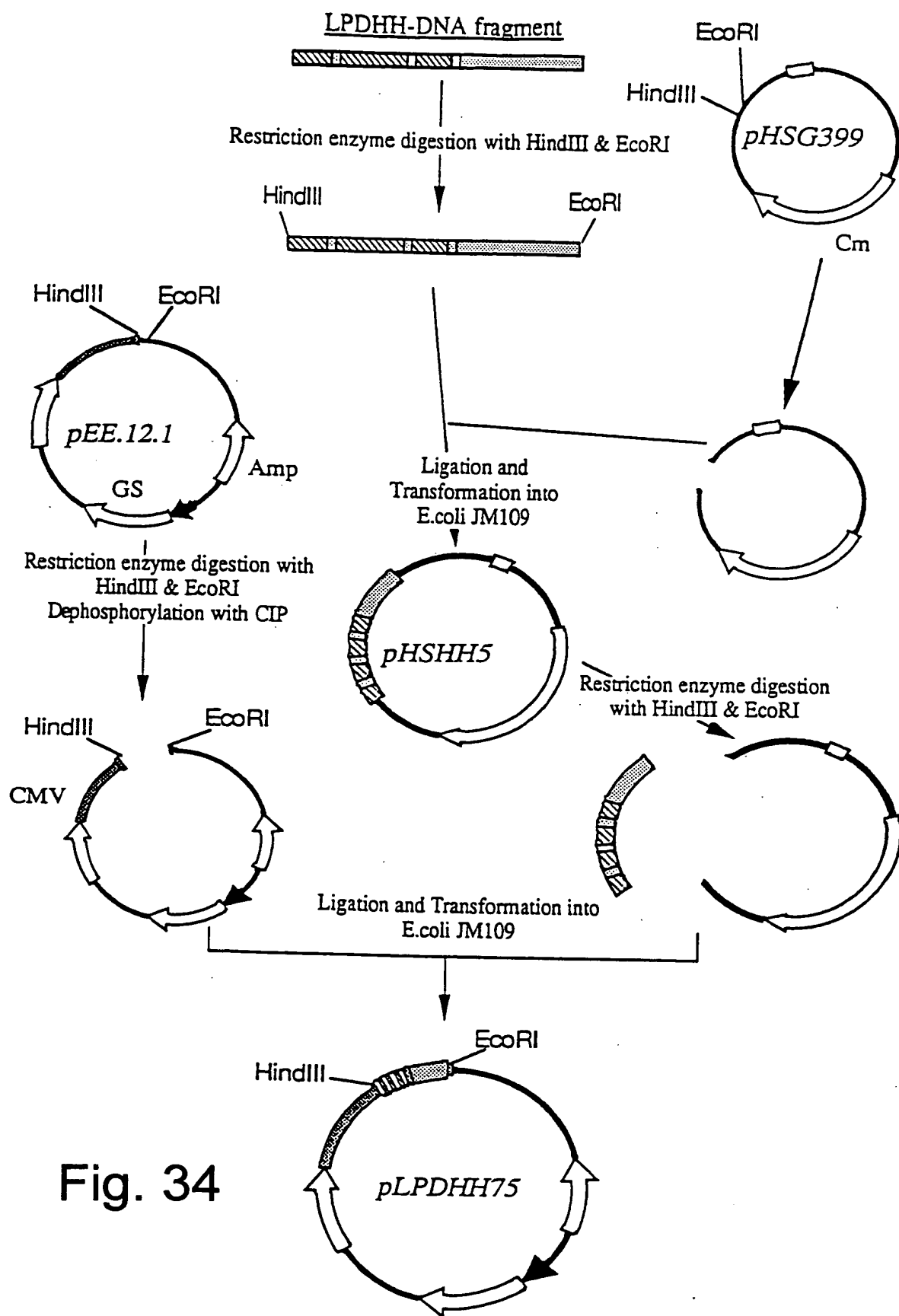


Fig. 31

Fig. 32



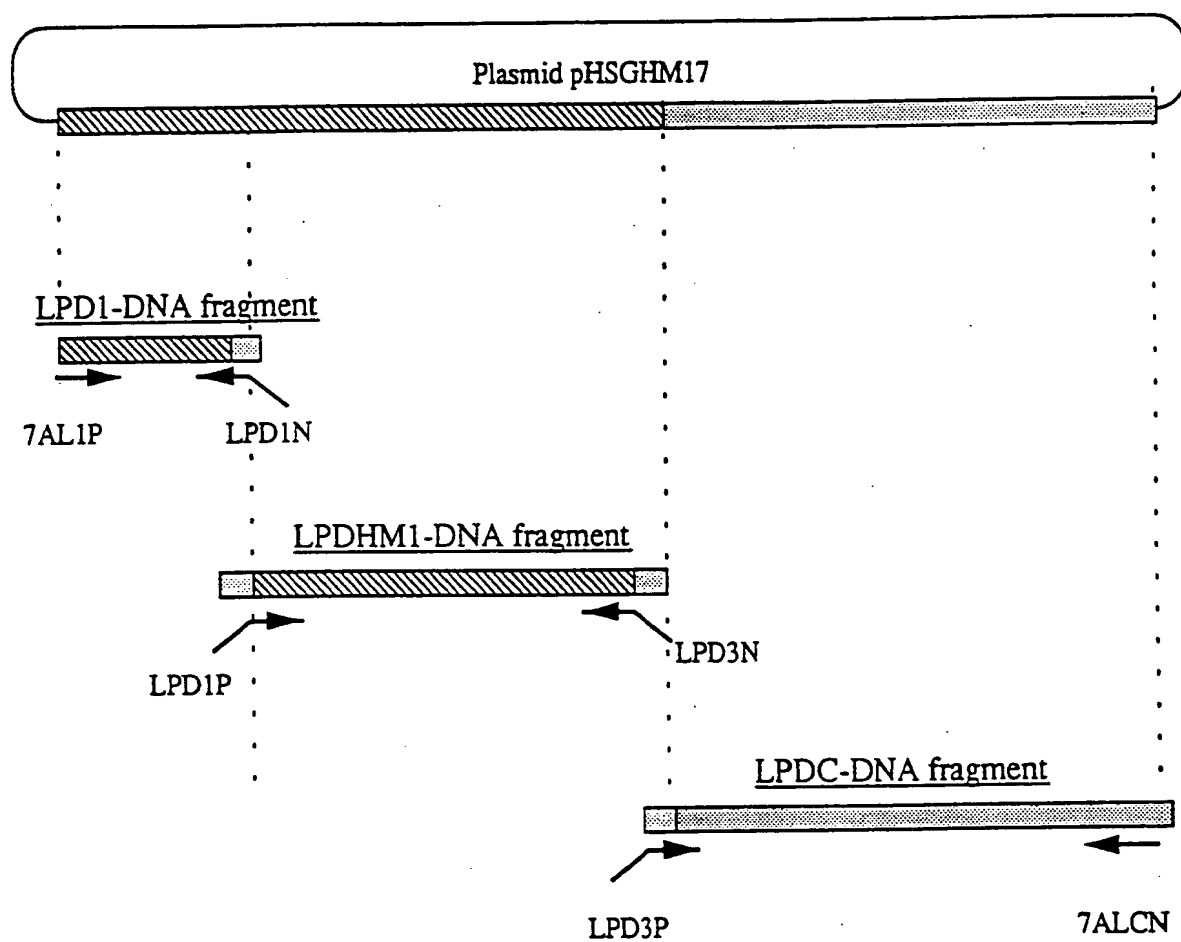


Fig. 35

APPROVED	OC. PG.
BY	CLASS
DATE	SUBCLASS
530	398.15

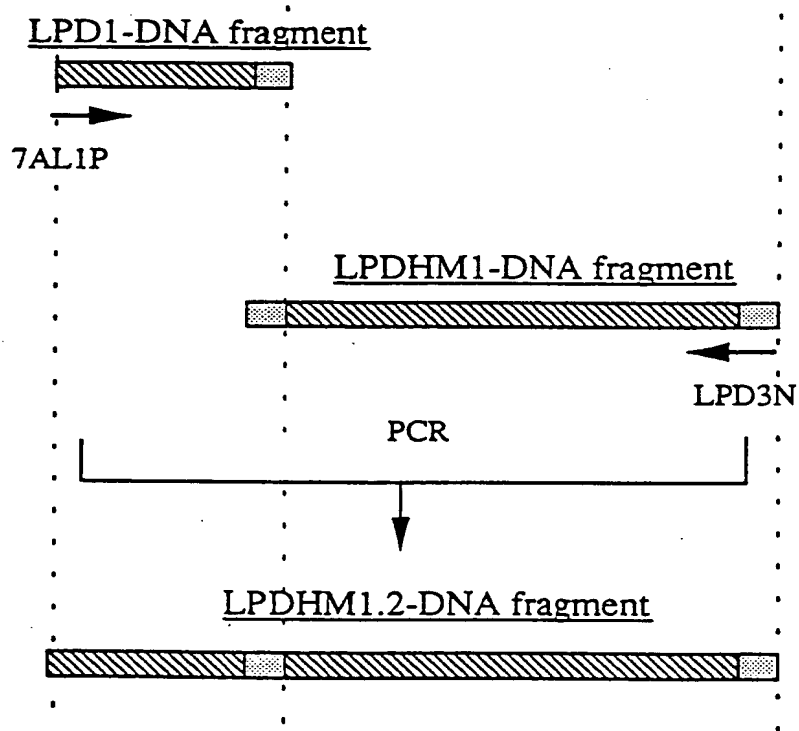


Fig. 36

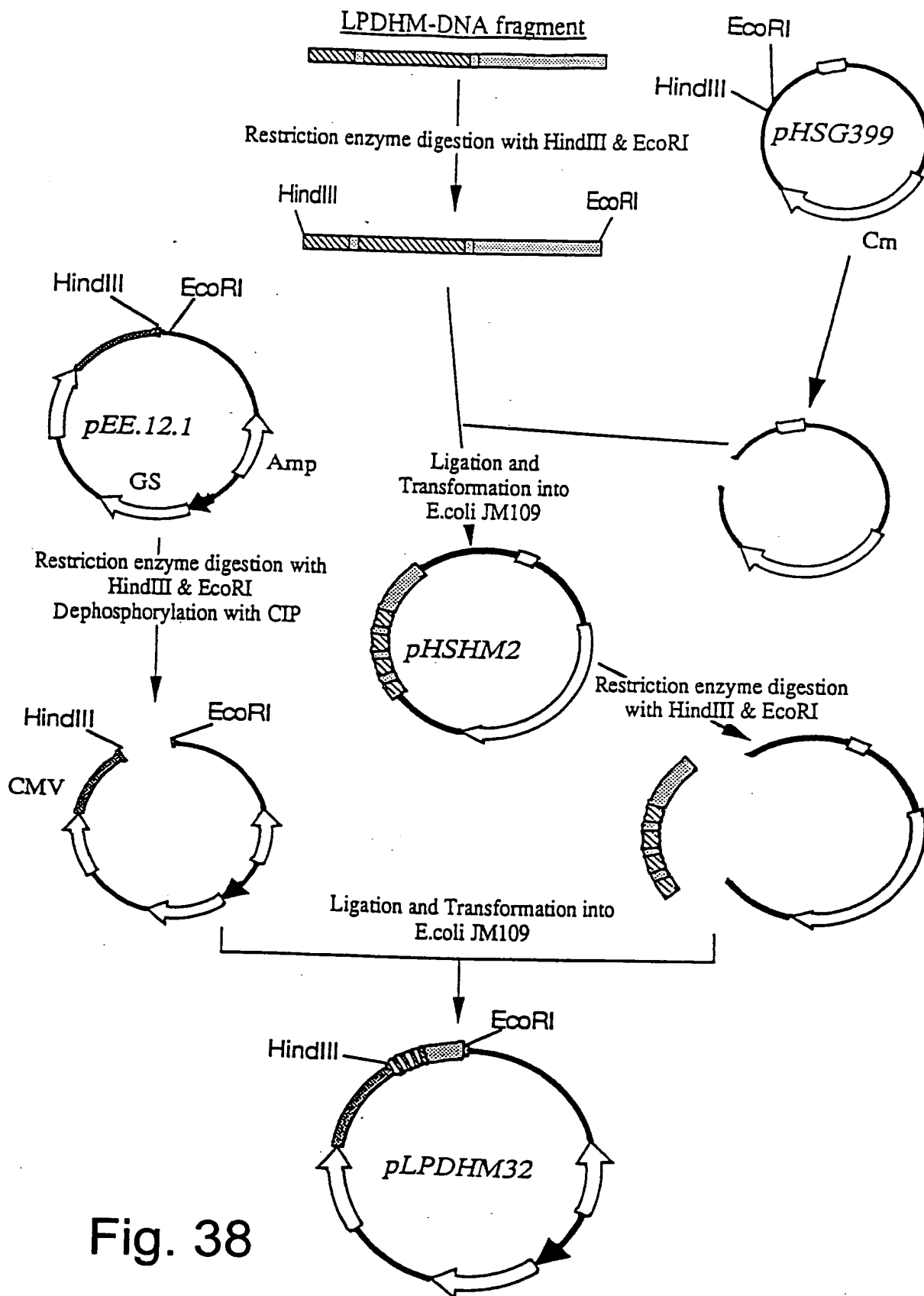
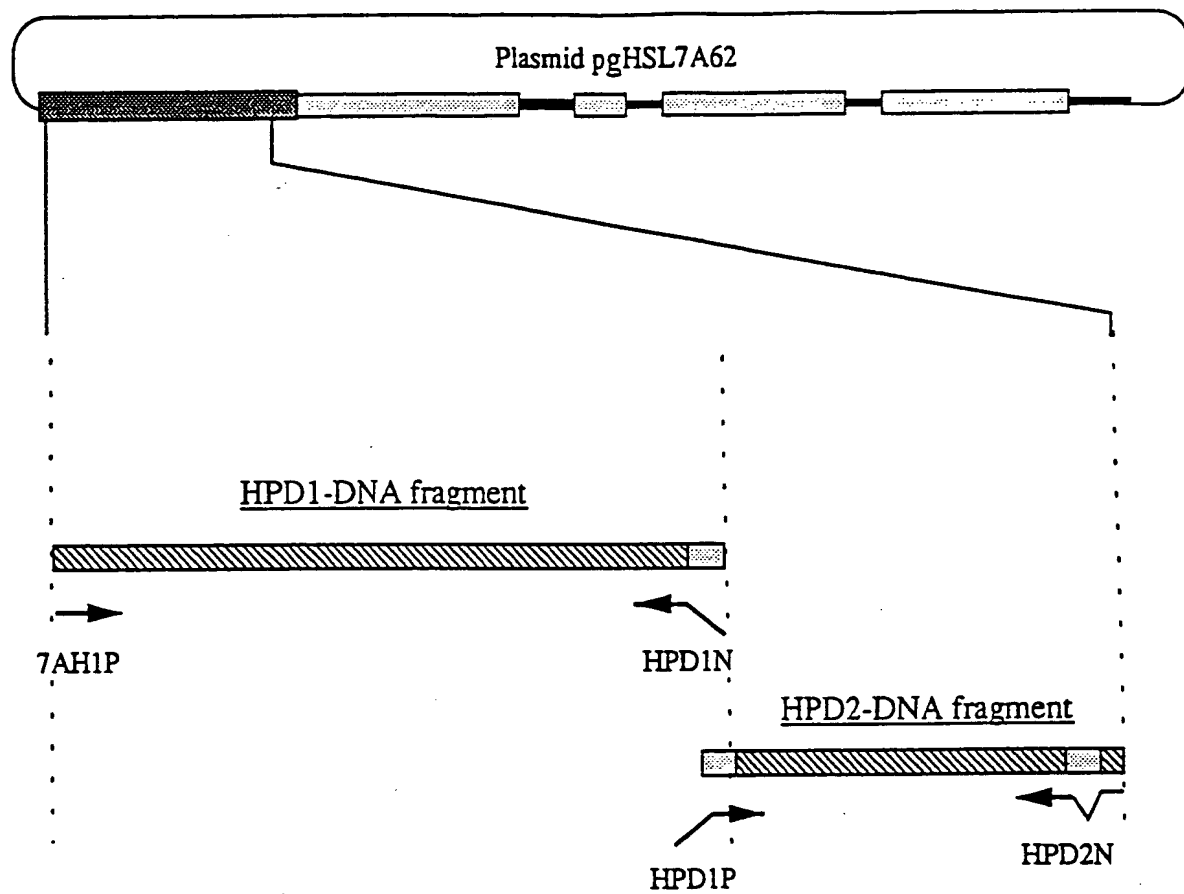
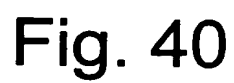


Fig. 38

THE UNIVERSITY OF CHICAGO





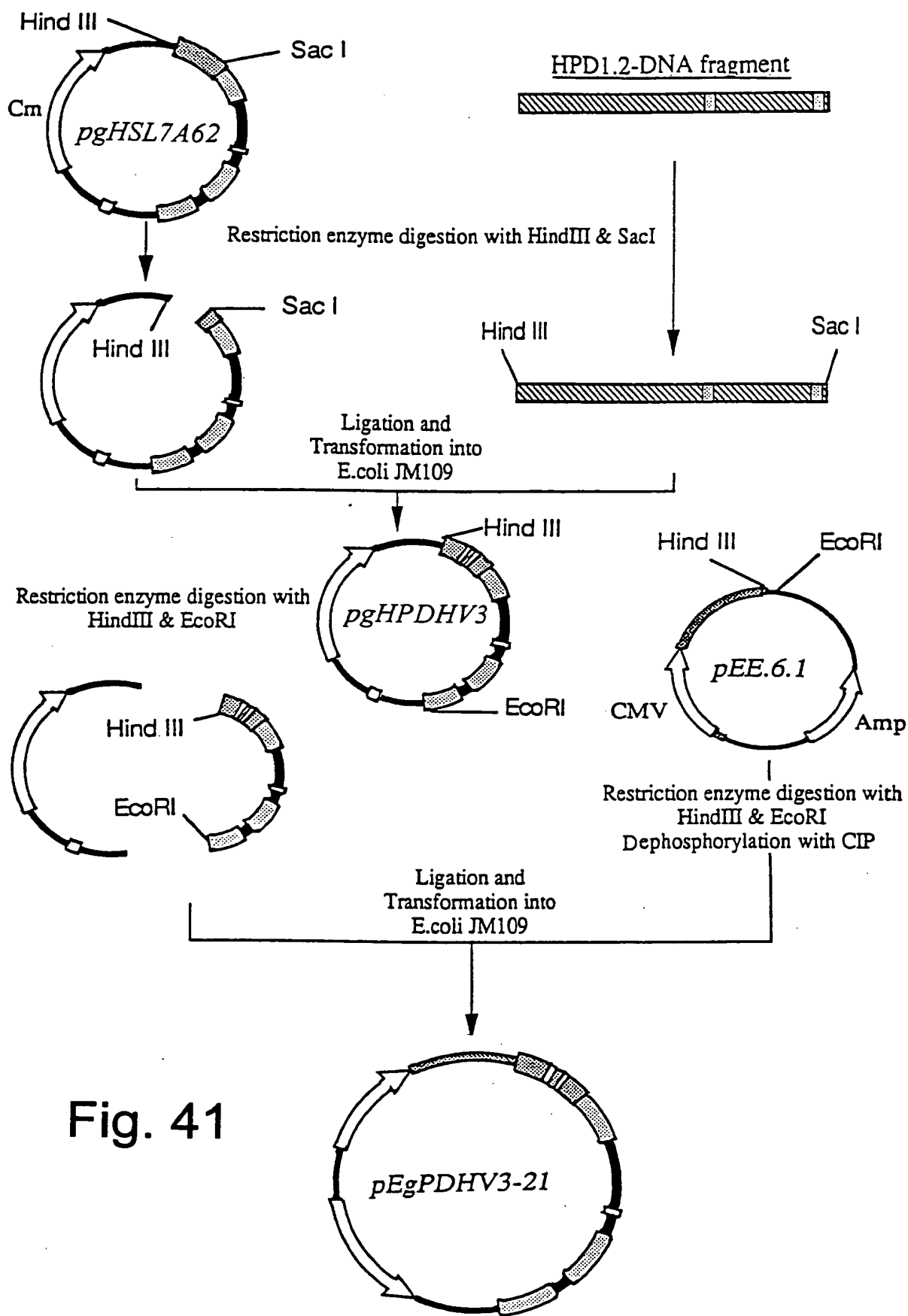


Fig. 41

APPROVED 100 BY CLASS SURGEON 530 499.15

000000 00000000

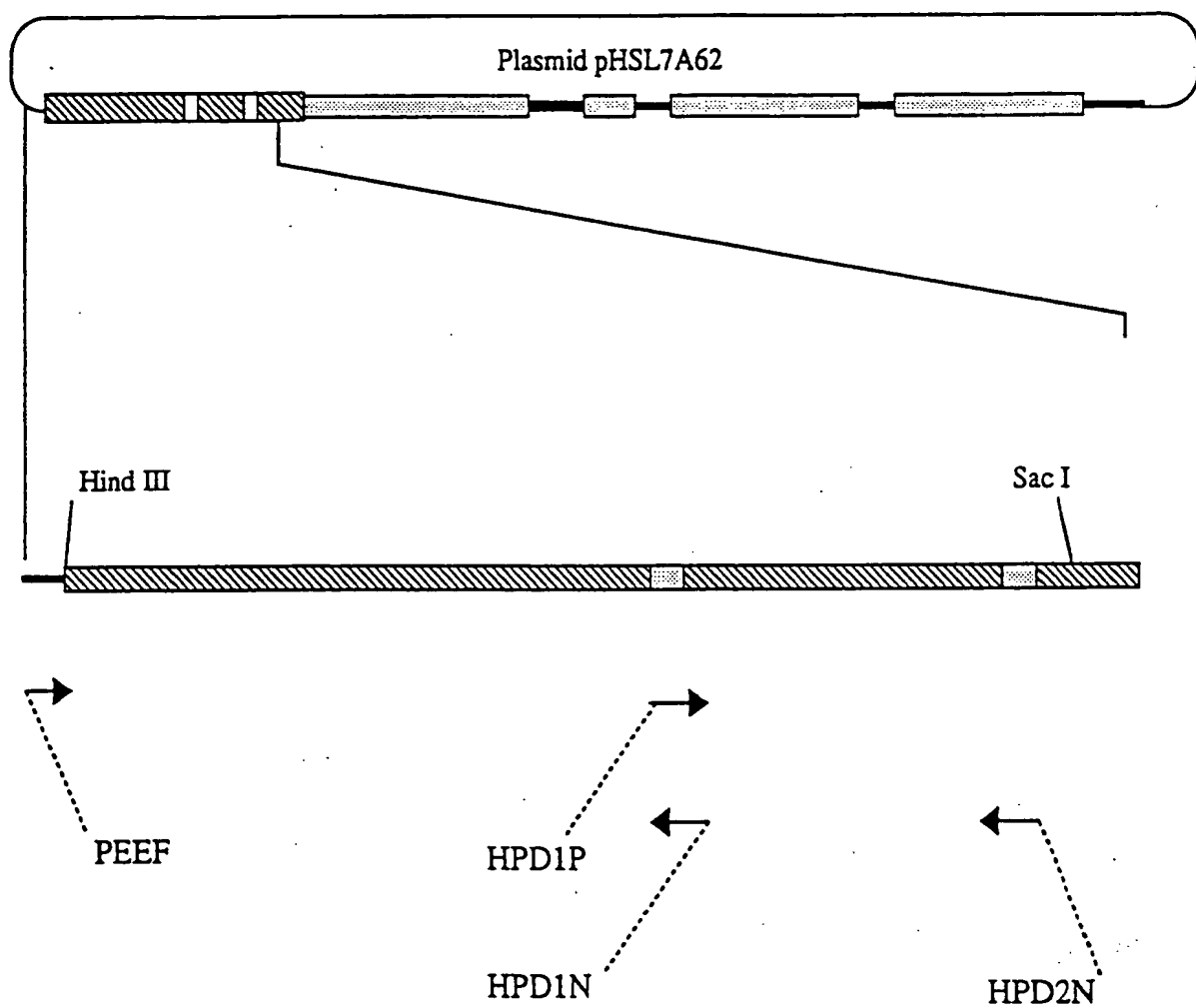


Fig. 42

00000000 25555555

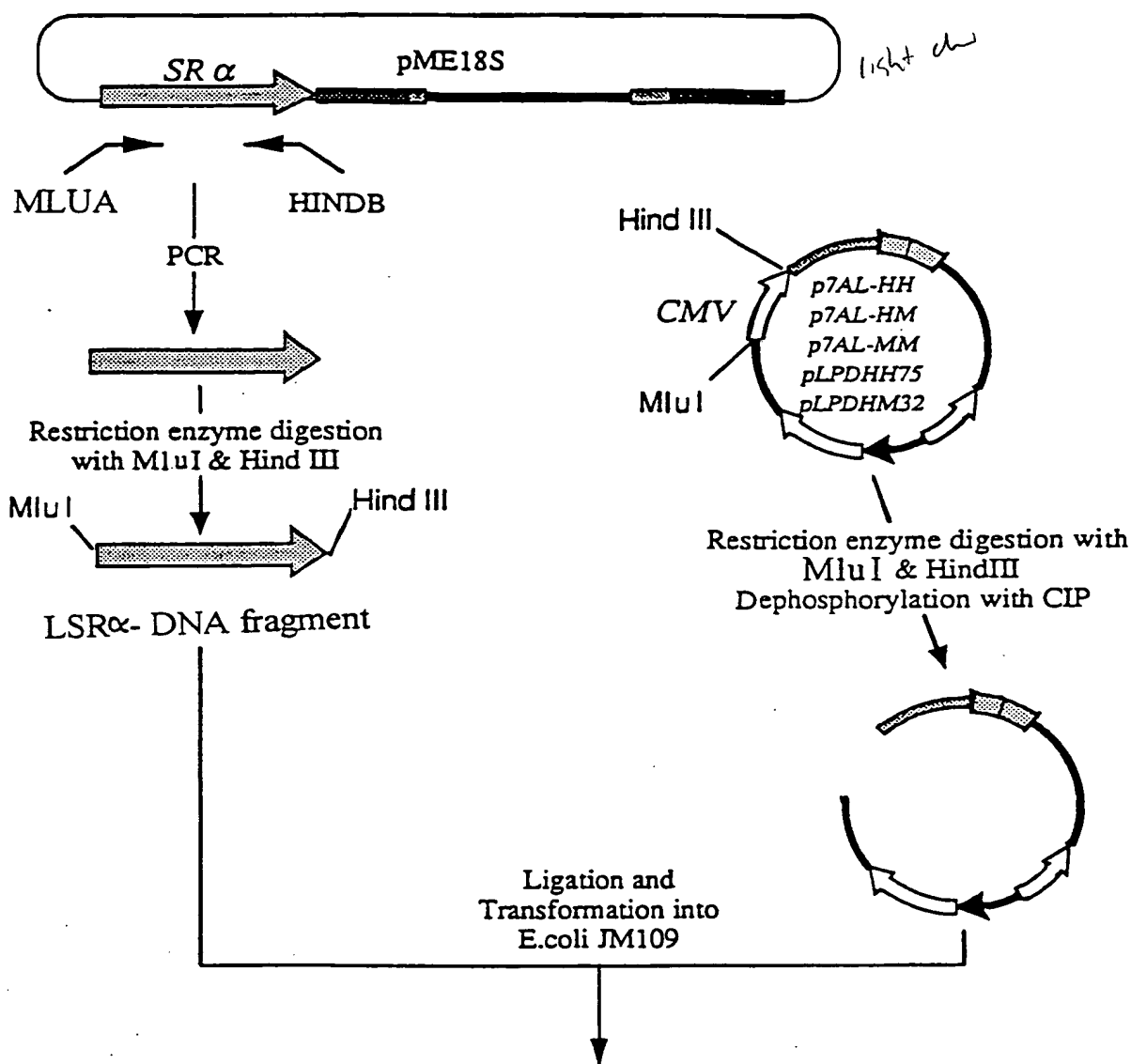
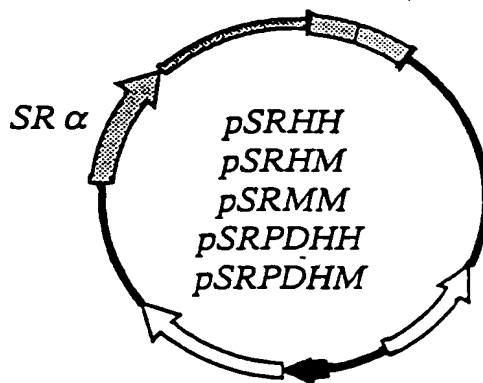


Fig. 43



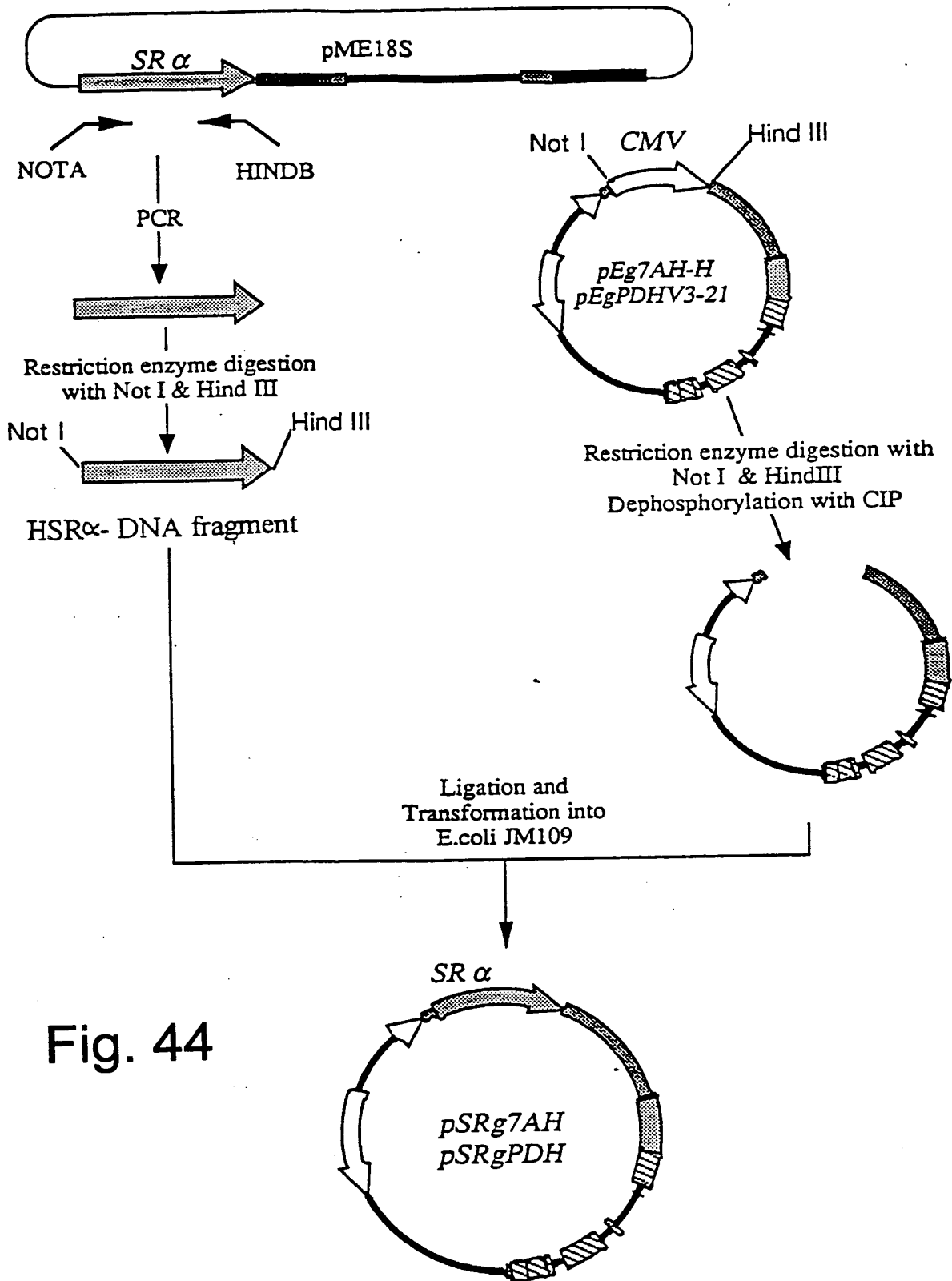


Fig. 44

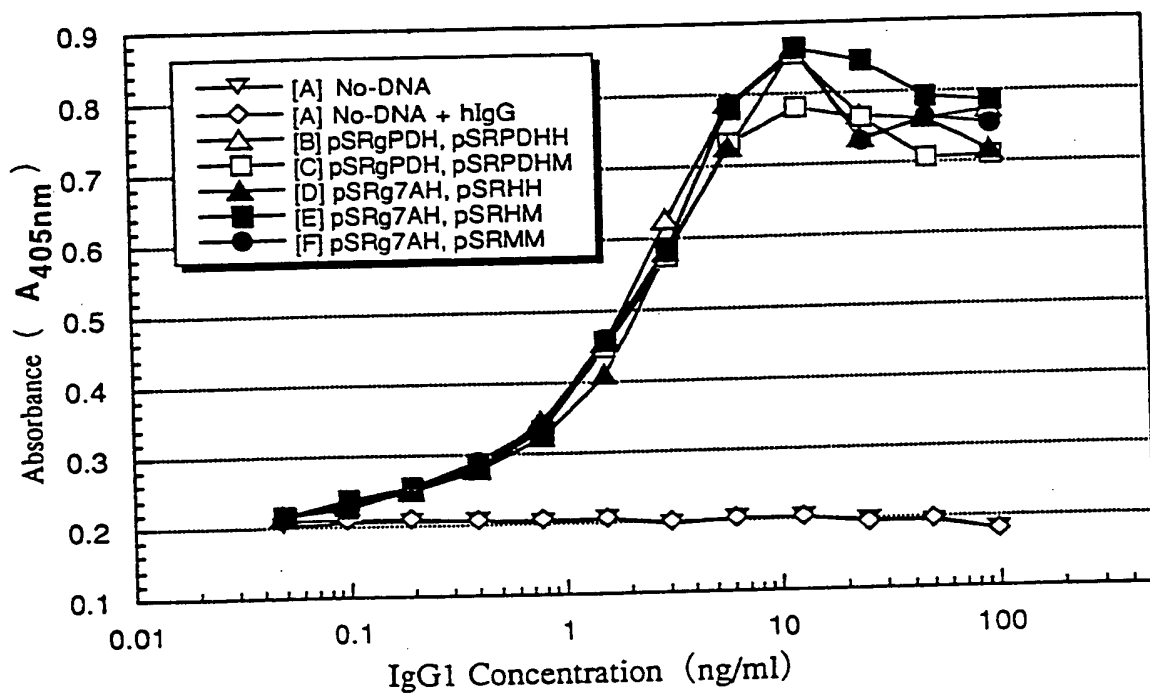


Fig. 45

000020-2236460

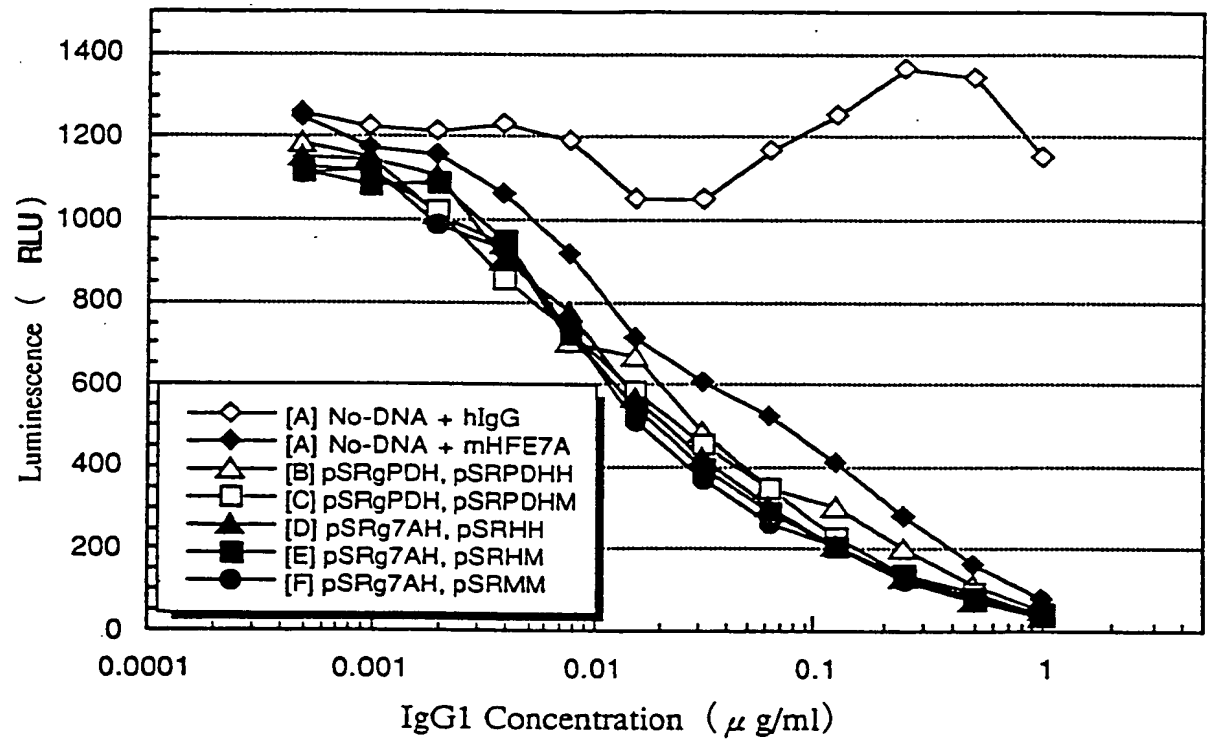
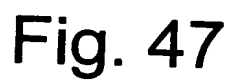


Fig. 46



	1	5	10	15	20
Mouse HFE7A	Asp	Ile Val Leu Thr Gln Ser Pro Ala Ser Leu Ala Val Ser Leu Gly Gln Arg Ala Thr	Ile Ser Cys		
Humanized HFE7A(8E10)	Asp	Ile Val Leu Thr Gln Ser Pro Gly Thr Leu Ser Leu Ser Pro Gly Gln Arg Ala Thr	Ile Ser Cys		
Human Eu	Asp	Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly Asp Arg Val Thr	Ile Thr Cys		
Humanized HFE7A(LEU1)	Asp	Ile Val Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr	Ile Thr Cys		
Humanized HFE7A(LEU2)	Asp	Ile Val Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr	Ile Thr Cys		
Humanized HFE7A(LEU3)	Asp	Ile Val Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr	Ile Thr Cys		

	40	45	50
Mouse HFE7A	Trp Tyr Gln Gln Lys Pro Gly Gln Pro	Pro Lys Leu	Ile Tyr
Humanized HFE7A (8E10)	Trp Tyr Gln Gln Lys Pro Gly Gln Xaa Pro	Xaa Leu Leu	Ile Tyr
Human Eu	Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro	Lys Leu Met Tyr	
Humanized HFE7A (LEU1)	Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro	Lys Leu Ile Tyr	
Humanized HFE7A (LEU2)	Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro	Lys Leu Ile Tyr	
Humanized HFE7A (LEU3)	Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro	Lys Leu Ile Tyr	

	65	70	75	80	85	90
Mouse HFE7A	Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile His Pro Val Glu Glu Glu Asp Ala Ala Thr Tyr Cys					
Humanized HFE7A(8E10)	Gly Ile Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Arg Leu Glu Pro Ala Asp Phe Ala Val Tyr Tyr Cys					
Human Eu	Gly Val Pro Ser Arg Phe Ile Gly Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Glu Pro Asp Asp Phe Ala Thr Tyr Tyr Cys					
Humanized HFE7A(LEU1)	Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Glu Pro Glu Asp Phe Ala Thr Tyr Tyr Cys					
Humanized HFE7A(LEU2)	Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Glu Pro Glu Asp Phe Ala Thr Tyr Tyr Cys					
Humanized HFE7A(LEU3)	Gly Ile Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Glu Pro Glu Asp Phe Ala Thr Tyr Tyr Cys					

	105	110
Mouse HFE7A	Phe Gly Gly Thr	Lys Leu Glu Ile Lys Arg Ala
Humanized HFE7A (8E10)	Phe Gly Gln Thr	Arg Leu Glu Ile Lys Arg Thr
Human Eu	Phe Gly Gln Thr	Lys Val Glu Val Lys Gly Thr
Humanized HFE7A (LEU1)	Phe Gly Gln Thr	Lys Val Glu Ile Lys Arg Thr
Humanized HFE7A (LEU2)	Phe Gly Gln Thr	Lys Val Glu Ile Lys Arg Thr
Humanized HFE7A (LEU3)	Phe Gly Gln Thr	Lys Val Glu Ile Lys Arg Thr

Fig. 48

FRH₁

Mouse HFE7A	1	5	10	15	20	25	30
Humanized HFE7A (8E10)	Gln Val Gln Leu Gln Gln Pro Gly Ala Glu Val Lys Pro Gly Ala Ser Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr						
Human Eu	Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr						
Humanized HFE7A (HEU1)	Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr						
Humanized HFE7A (HEU2)	Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr						
Humanized HFE7A (HEU3)	Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr						

FRH₂

Mouse HFE7A	40	45
Humanized HFE7A (8E10)	Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile Gly	
Human Eu	Trp Val Lys Gln Ala Pro Gly Gln Arg Leu Glu Trp Met Gly	
Humanized HFE7A (HEU1)	Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met Gly	
Humanized HFE7A (HEU2)	Trp Val Lys Gln Ala Pro Gly Gln Gly Leu Glu Trp Met Gly	
Humanized HFE7A (HEU3)	Trp Val Lys Gln Ala Pro Gly Gln Gly Leu Glu Trp Met Gly	

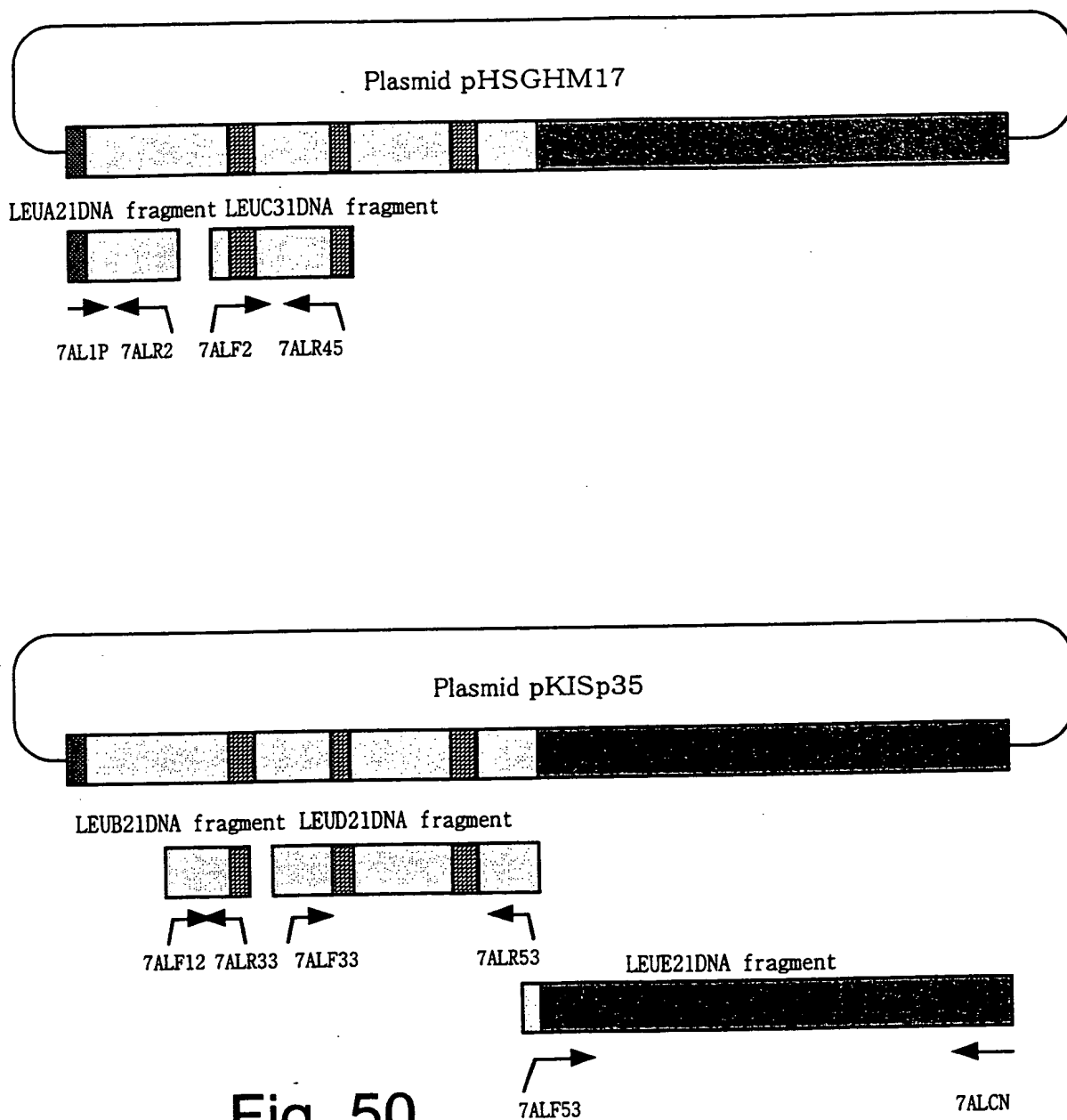
FRH₃

Mouse HFE7A	70	75	80	85	90	95
Humanized HFE7A (8E10)	Lys Ala Thr Leu Thr Val Asp Thr Ser Ser Thr Ala Tyr Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Cys Ala Arg					
Human Eu	Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Asn Thr Ala Tyr Met Gln Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Cys Ala Arg					
Humanized HFE7A (HEU1)	Lys Ala Thr Leu Thr Val Asp Thr Ser Thr Ala Tyr Met Gln Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Cys Ala Arg					
Humanized HFE7A (HEU2)	Lys Ala Thr Ile Thr Val Asp Thr Ser Thr Ala Tyr Met Gln Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Cys Ala Arg					
Humanized HFE7A (HEU3)	Lys Ala Thr Leu Thr Val Asp Thr Ser Thr Ala Tyr Met Gln Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Cys Ala Arg					

FRH₄

Mouse HFE7A	115	120
Humanized HFE7A (8E10)	Trp Gly Thr Gly Thr Thr Val Thr Val Ser Ser	
Human Eu	Glu Tyr Asn Gly Gly Thr Leu Val Thr Val Ser Ser	
Humanized HFE7A (HEU1)	Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser	
Humanized HFE7A (HEU2)	Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser	
Humanized HFE7A (HEU3)	Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser	

Fig. 49



BY: CL 530
 DATE: 5/15/95
 SUGGESTIONS: 5/15/95

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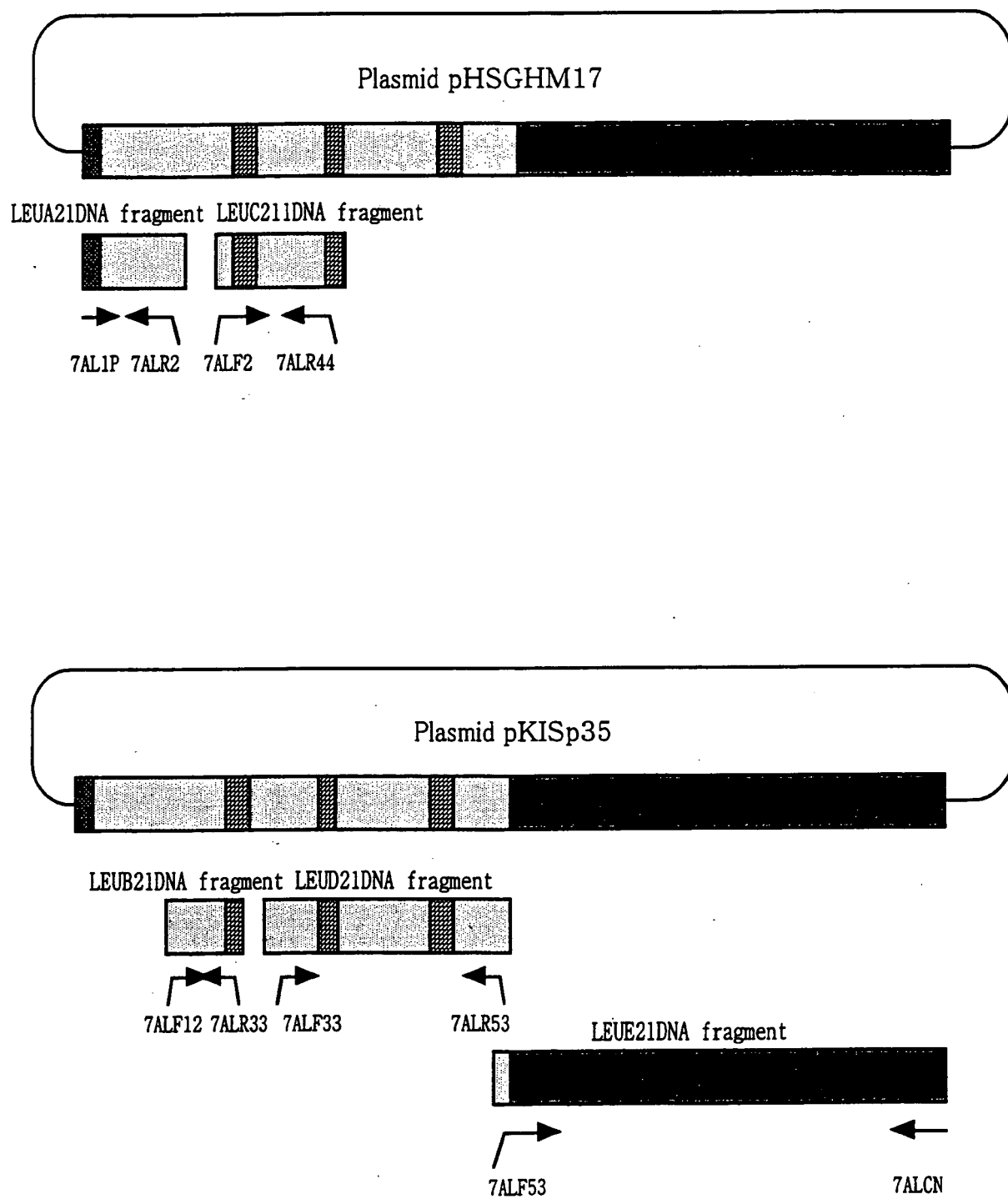


Fig. 52

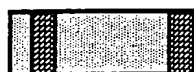
LEUA21DNA fragment



LEUB21DNA fragment



LEUC211DNA fragment



LEUD21DNA fragment



LEUE21DNA fragment



➔
7AL1P

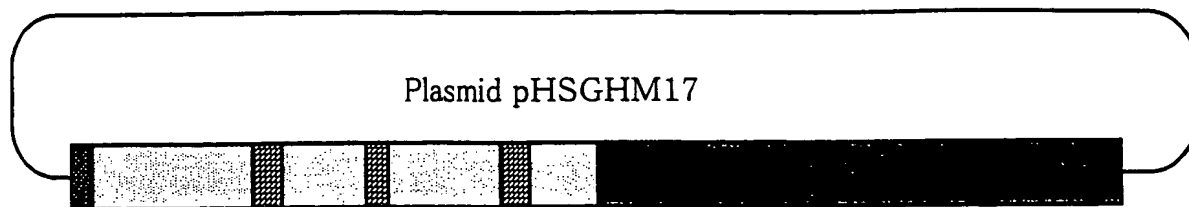
←
7ALCN

PCR

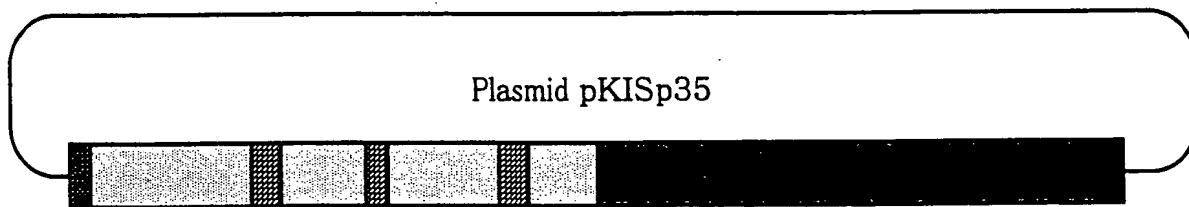
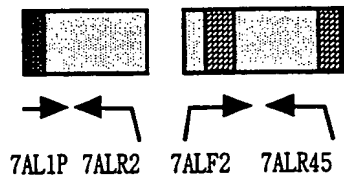
LEU2DNA fragment



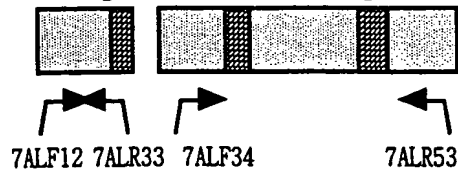
Fig. 53



LEUA21DNA fragment LEUC31DNA fragment



LEUB21DNA fragment LEUD31DNA fragment



LEUE21DNA fragment

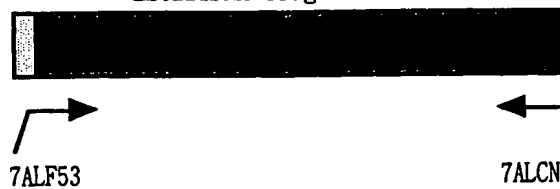
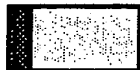


Fig. 54

LEUA21DNA fragment



LEUB21DNA fragment



LEUC31DNA fragment



LEUD31DNA fragment



LEUE21DNA fragment



→
7AL1P

←
7ALCN

PCR

LEU3-DNA fragment



Fig. 55

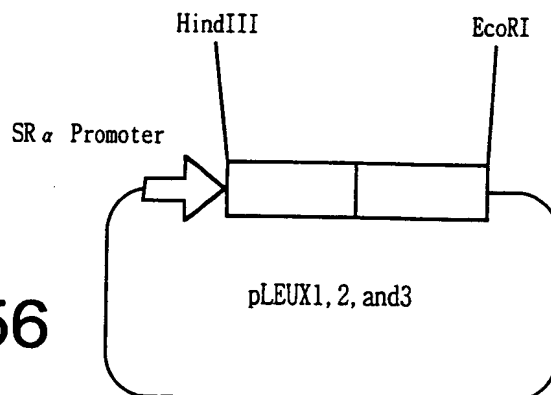
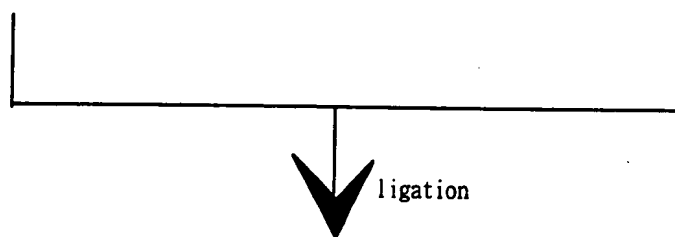
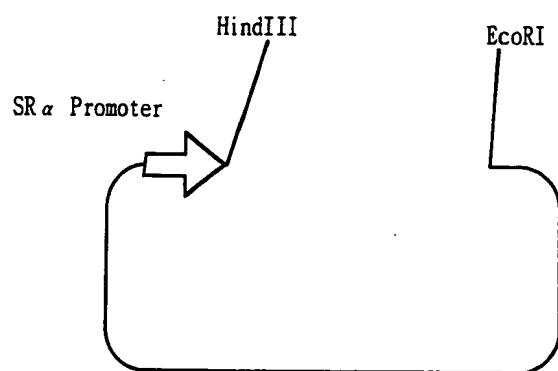
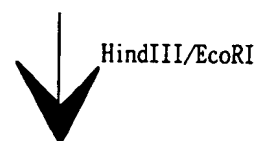
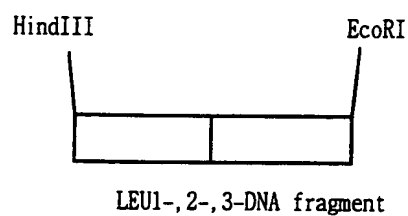
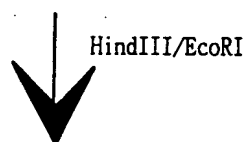
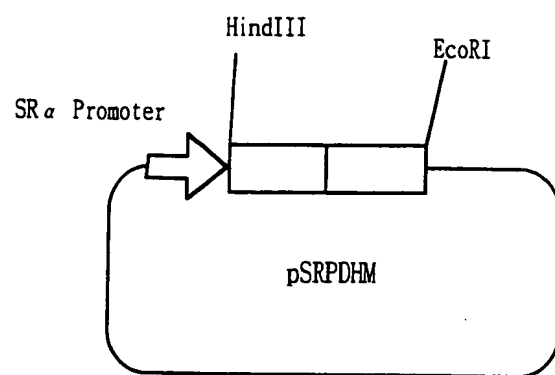
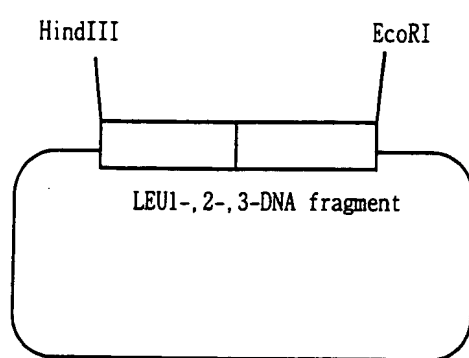


Fig. 56

APPROVED BY CLASS SUSCLASS 530 298.15

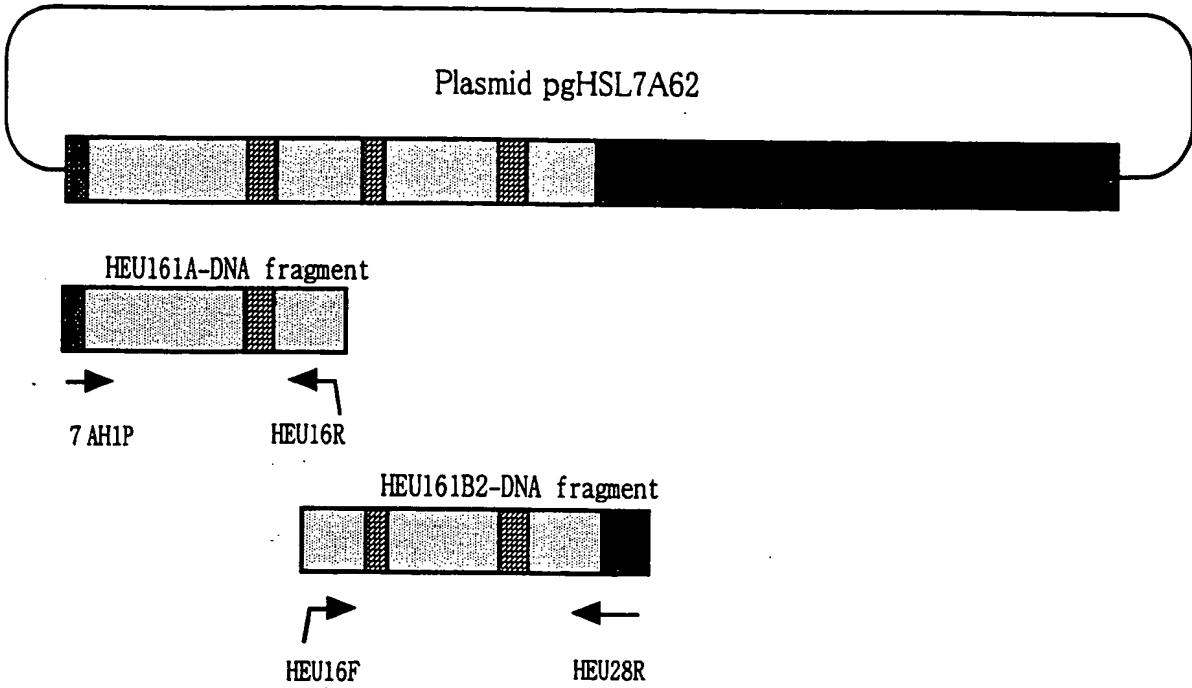


Fig. 57

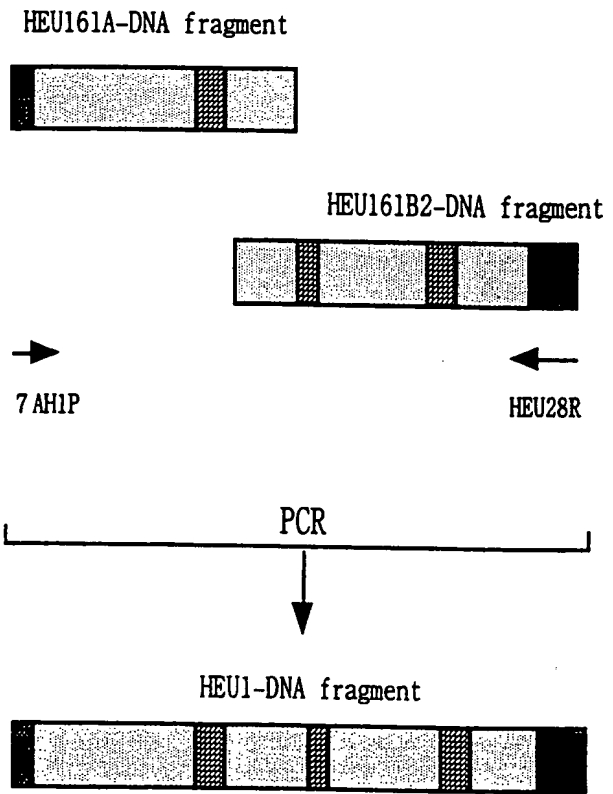


Fig. 58

00000000000000000000000000000000

Fig. 59

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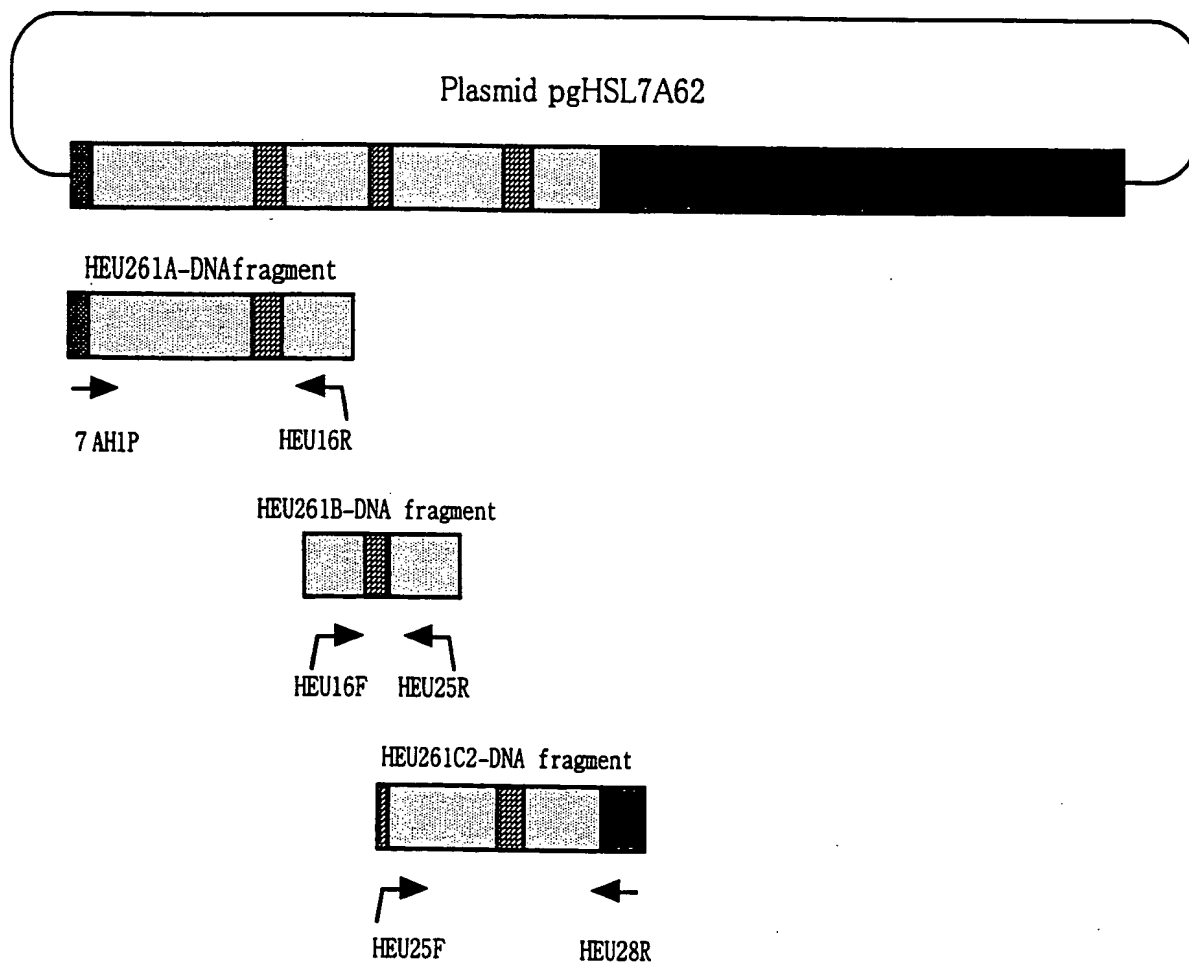


Fig. 60

CLASS 3
 SUBCLASS 388.15
 BY DRAFTSMAN
 570

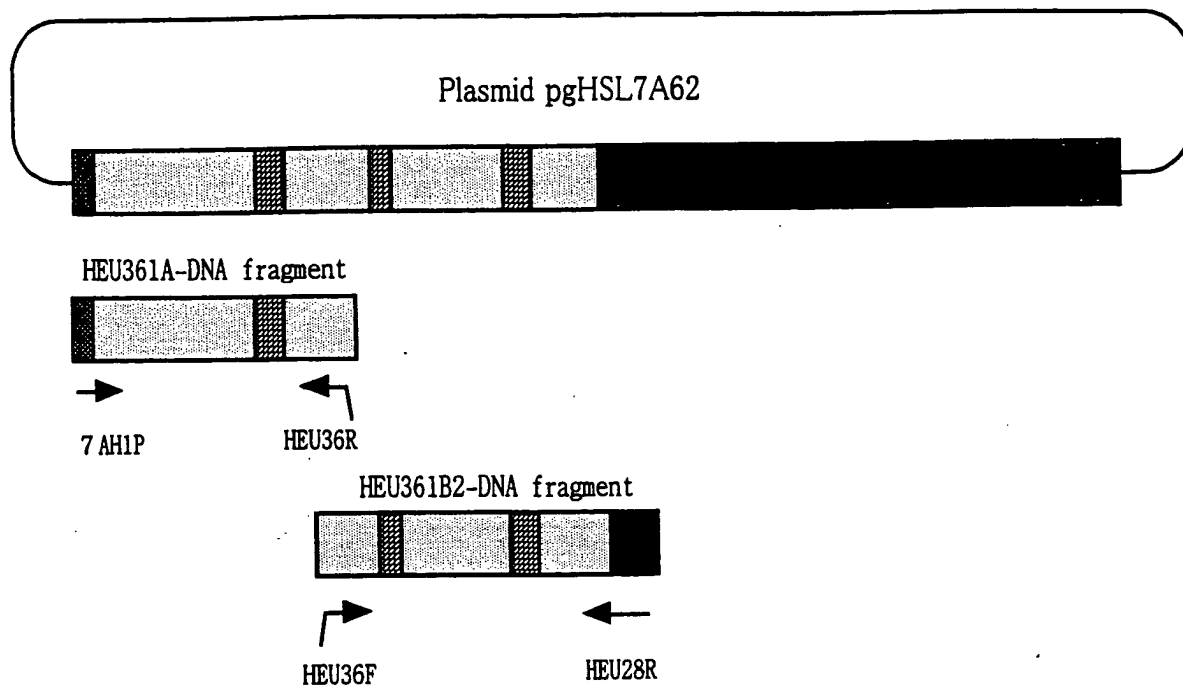


Fig. 61

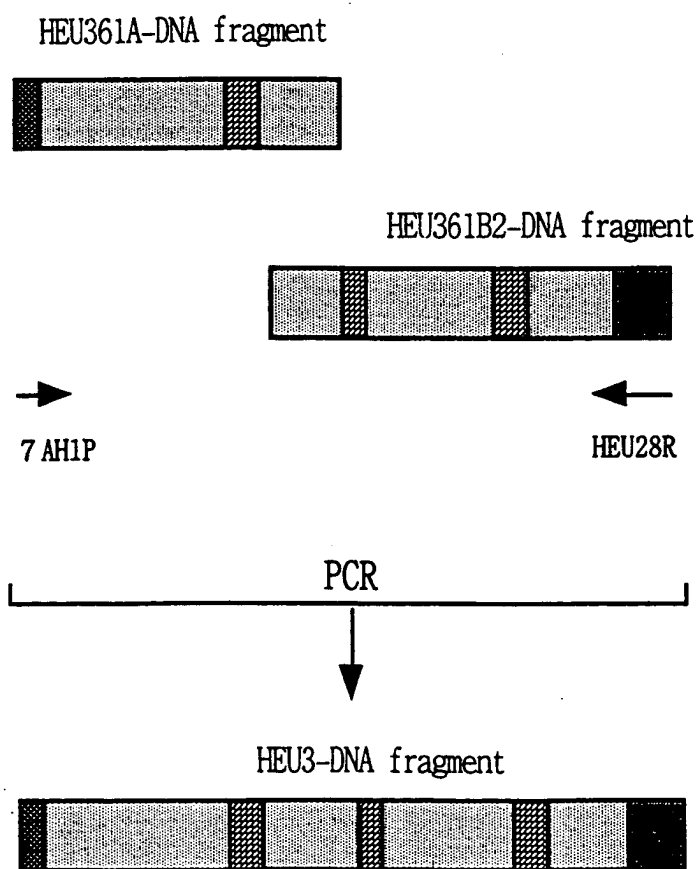


Fig. 62

O.G. FIG.
 SUBCLASS
 CLASS 530 388.15
 APPROVED BY
 CHAF. SMAN

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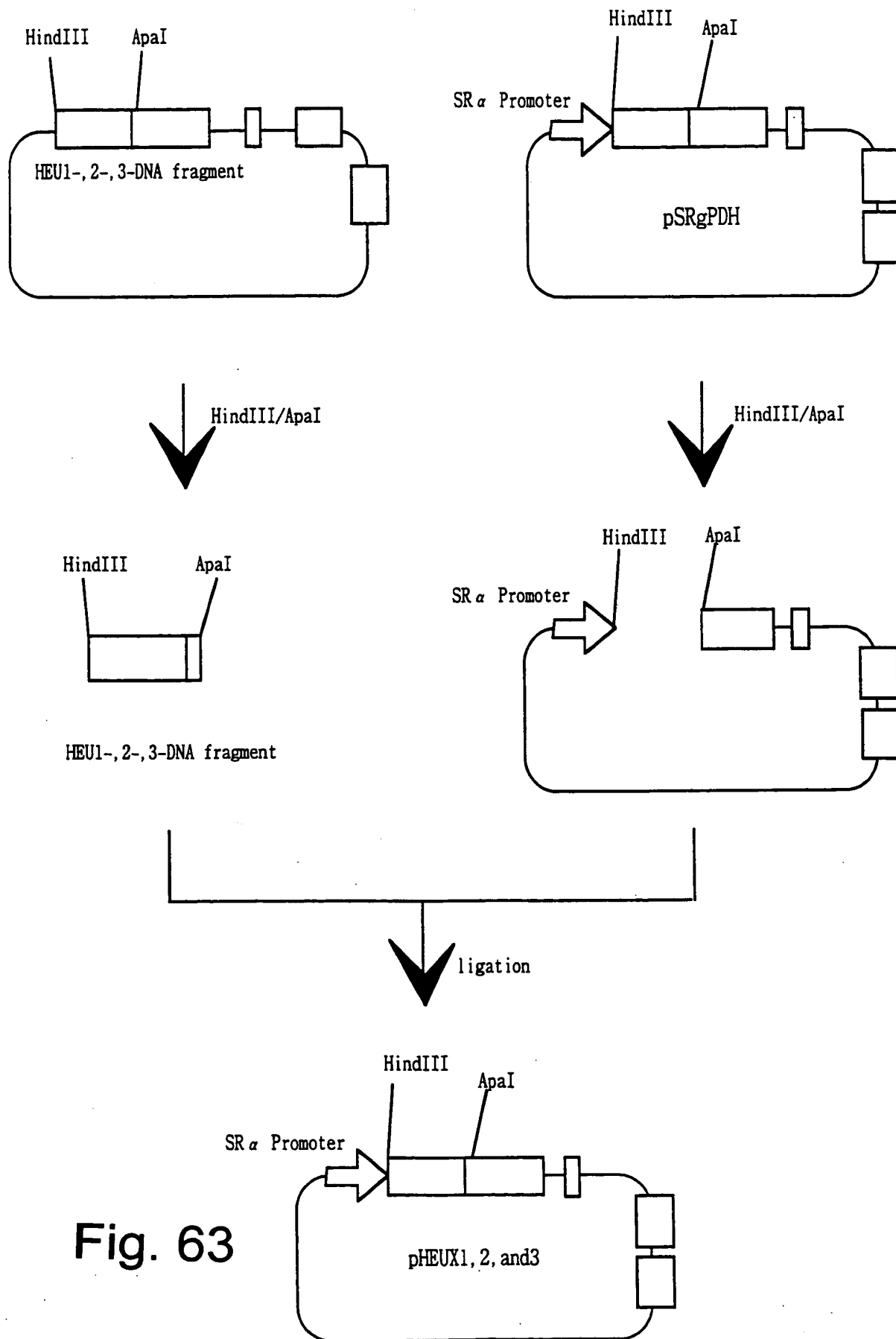
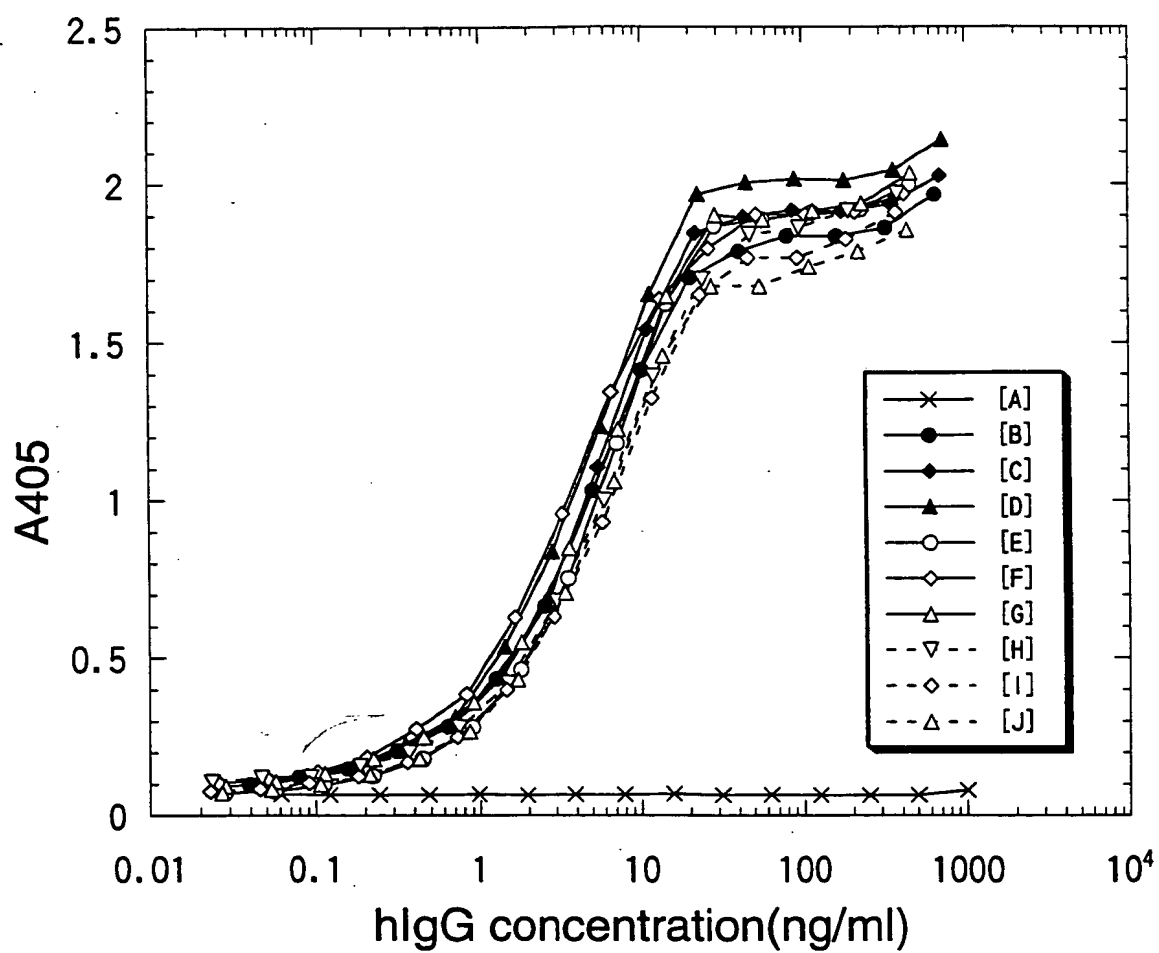


Fig. 63

[illegible]

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BY [unclear] 5/10/85
DATE 5/10/85
TIME 3:15

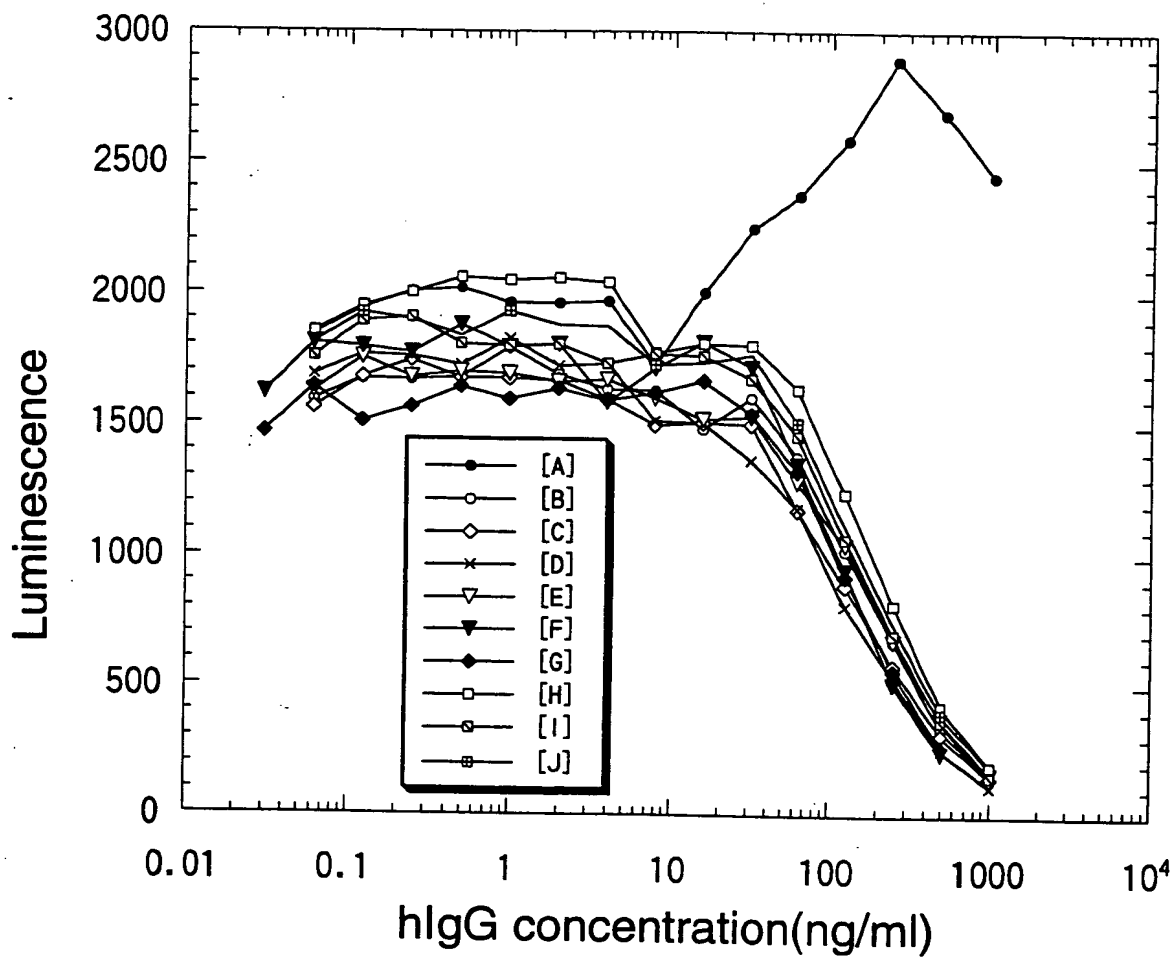


Fig. 65

Fig. 66

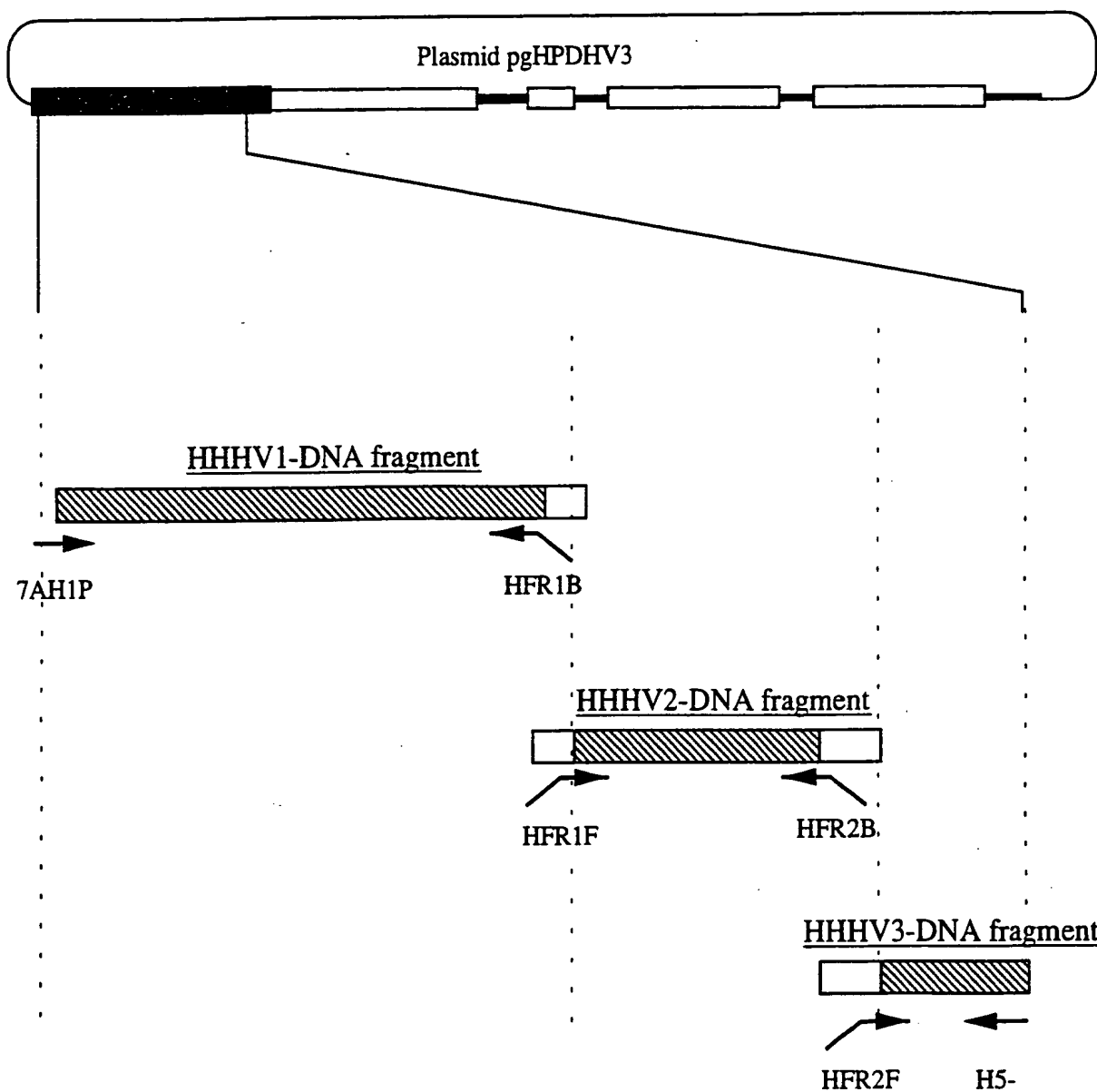
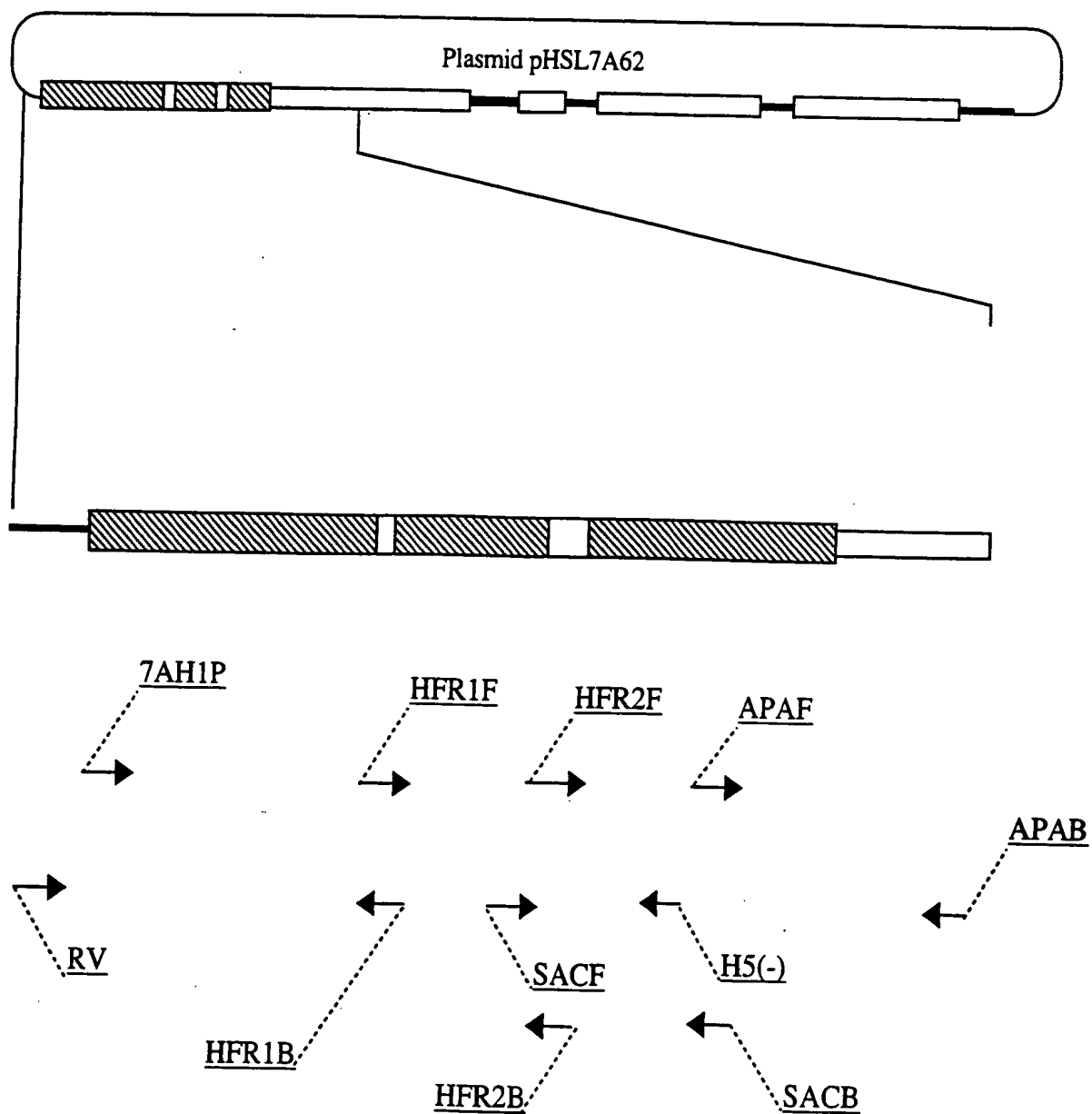


Fig. 67

[illegible]

Fig. 68





390 344-15

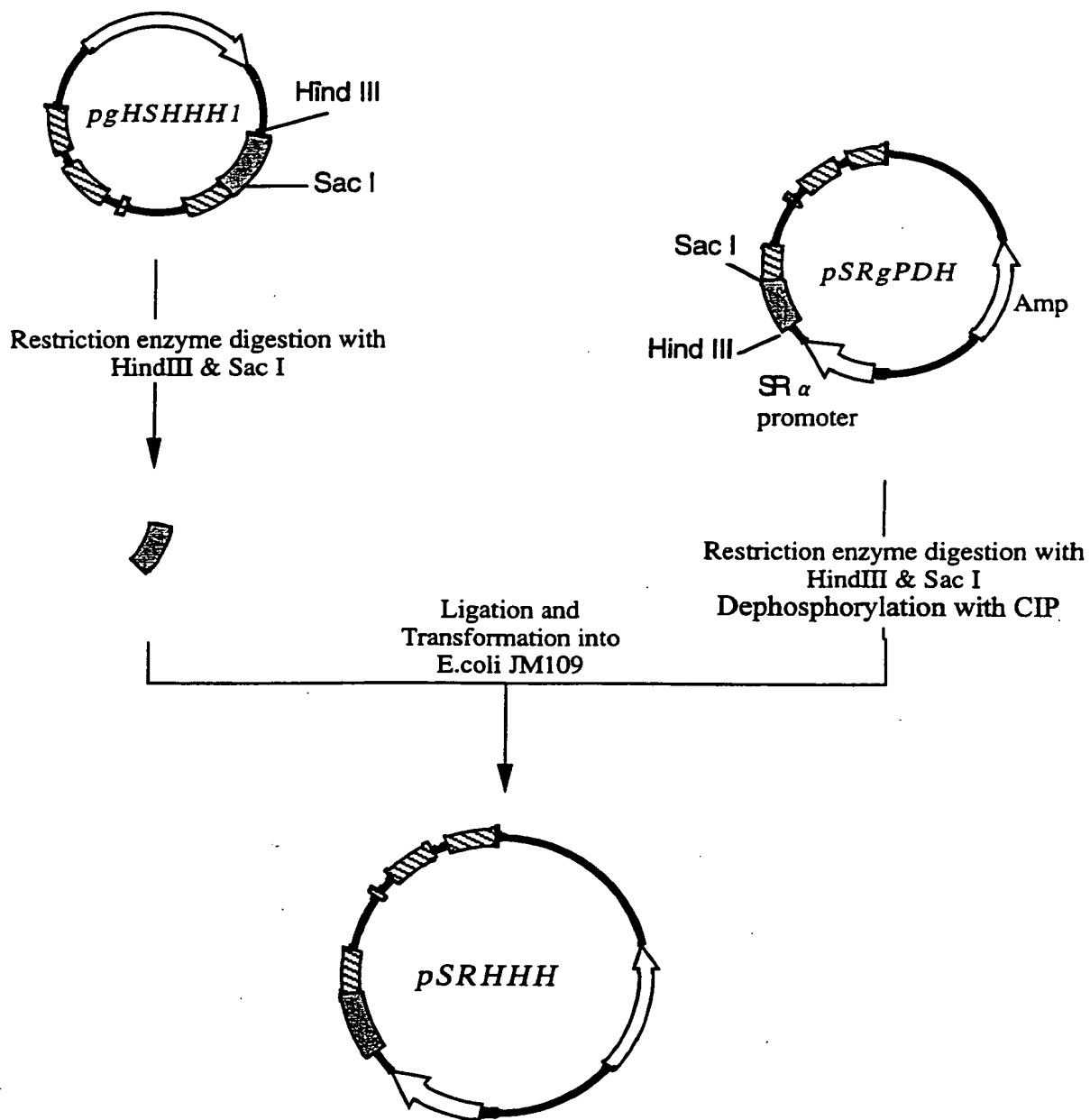


Fig. 71

